In This Issue

2  Tracy Camp Named Computing Research Association Executive Director
4  2022 CRA Conference at Snowbird Update
5  Analysis of Current and Future Computer Science Needs via Advertised Faculty Searches for 2022
6  Nominations Open for the 2022 CRA-WP Early Career Awards
7  CRA Outstanding Undergraduate Researcher Awards
12  Expanding the Pipeline: Recruiting and Retaining Computing Students through Research Experiences for Undergraduates
16  C/DREU Students Continue to Pursue a Graduate Degree in Computing at Higher Rates
17  CRA-E 2022 SIGCSE TS Pre-Symposium Event
18  Nominations Sought for New CCC Council Members
19  Call for Proposals: Creating Visions for Computing Research
20  What Role Will Computing Research Play in the Future of Infrastructure?
22  2021 Highlights
23  Senior Program Associate Khari Douglas Leaves the CCC
24  CCC Program Associate Position Openings
26  NCWIT Nominations Open for Distinguished Faculty Members, Educators, and Staff
27  Board Members, Staff, Column Editor
28  Professional Opportunities

cra.org/crn

CRN At-A-Glance

Tracy Camp Named Computing Research Association Executive Director

The Computing Research Association recently announced Dr. Tracy Camp will become its Executive Director starting July 1, 2022. Camp is the former Department Head of Computer Science at Colorado School of Mines. She brings to the role strong experience as a leader in the computing research community at the national level, a history spearheading diversity, equity and inclusion initiatives in computing, and a detailed vision for leading the organization into the future.

*see page 2 for full article*

Analysis of Current and Future Computer Science Needs via Advertised Faculty Searches for 2022

This work uses the same methodology *applied over eight years* to study where Computer Science departments are choosing to invest faculty positions using data obtained from advertised tenure-track searches for the current hiring season. This work also provides an opportunity to continue to understand the effects of the COVID-19 pandemic on faculty hiring in Computer Science for hires starting in 2022.

*see page 5 for full article*
Tracy Camp Named Computing Research Association Executive Director

Nationally Known Computer Scientist and Diversity Advocate to Lead CRA’s Next Chapter

The Computing Research Association (CRA) recently announced Dr. Tracy Camp will become the organization’s fourth Executive Director in its 50 year history. Camp is the former Department Head of Computer Science at Colorado School of Mines (Mines), brings to the role strong experience as a leader in the computing research community at the national level, a history spearheading diversity, equity and inclusion initiatives in computing, and a detailed vision for leading the organization into the future. She will assume the role on July 1, 2022.

As Executive Director, Camp will seek to build upon CRA’s existing leadership role in the computing research community and work to help the community pursue bold research visions, practice and advocate for socially responsible computing research, encourage the participation of diverse populations in research, and continue to make the case for strong federal support of science and technology.

“We are excited to bring on board someone of Tracy’s exceptional caliber,” said CRA Board Chair Nancy Amato. “She is a proven leader with an impressive breadth and depth of experience and accomplishment, both nationally and at her institution. As the Founding CS Department Head at Mines, she oversaw a major expansion of the faculty and student enrollments, while simultaneously increasing diversity.”

“Tracy possesses a broad and inclusive view of computing, a deep understanding of the funding mechanisms and reward structures that affect computing research, and excellent management capabilities and experience,” Amato continued. “She is the ideal leader for CRA’s next phase and I could not be more thrilled she said ‘yes’ to this role.”

Camp has previous experience with CRA having served for many years in various volunteer capacities. She is a current board member of the CRA Committee on Widening Participation in Computing Research, where she served as co-chair from 2011 to 2014. Camp was also an influential member of the CRA Board of Directors from 2012 to 2016. She led the committee that produced the 2017 report Generation CS: CS Undergraduate Enrollments Surge Since 2006.

“I’m extremely excited to become the next CRA Executive Director, following in the footsteps of three impressive former CRA leaders,” said Camp. “Several major issues exist in the computing research world today, which has created many opportunities for positive transformative change. I look forward to working with CRA’s exceptional staff, board members, and broader community for the benefit of computing research and society at large.”

“CRA has been instrumental in my career advancement and can and should be instrumental in the career advancement of everyone involved in computing research.”

In her new role, Camp will lead an organization with strong ties to other leading organizations in computing. Leaders in those organizations today expressed support for her appointment.

My congratulations go out to Tracy on her new role as CRA Executive Director. I look forward to collaborating with her to further extend the work of both of our organizations in bringing an ever more diverse community together in the computing professions.

- Melissa Russell, Executive Director, IEEE-Computer Society
On behalf of USENIX, we are thrilled to learn of Tracy Camp's appointment as CRA's Executive Director. Dr. Camp is an incredibly distinguished leader in our field with an exceptional record of service and innovation—often in combination with one another. Her particular dedication to increasing representation in computing will serve CRA particularly well in its next chapter.

- Casey Henderson, Executive Director, USENIX

I’m very excited to hear that Dr. Tracy Camp is joining the CRA as the new Executive Director. AAAI and CRA have worked well together on our many shared interests. We look forward to further collaborations in these exciting times for AI and computing in general.

- Bart Selman, President, AAAI

We at ACM are delighted that Tracy Camp will be joining CRA as Executive Director. Through the years, Tracy has shown her commitment to the research community, serving in leadership roles for many of the leading conferences and journals in her field. She has also worked tirelessly to broaden the participation of women in computing through her involvement with CRA-W, ACM-W and NCWIT. Tracy’s appointment is certainly in keeping with the tenor of the times, and we look forward to working with her in her new role.

- Vicki Hanson, CEO and Executive Director, ACM

SIAM is excited to welcome Dr. Camp as the new executive director of CRA! We look forward to her leadership as we work together to advance computing research and make positive impacts on our society.

- Suzanne L. Weekes, Executive Director, Society for Industrial and Applied Mathematics

As Canada’s voice of Computer Science, CS-Can|Info-Can looks forward to working with Tracy Camp in her new role as Executive Director of CRA. Dr. Camp’s success in increasing the participation of women and students from under-represented groups majoring in Computer Science and her impressive and influential research track record will serve CRA well in its mission to represent the computing research community and to effect change that benefits both computing research and society at large.

- Adele Newton, Executive Director, CSCan-InfoCan

Camp joins CRA from Colorado School of Mines, where she has been a member of the faculty since 1998, and department head of Computer Science at Mines since 2016. Camp’s research interests are in wireless networking. She is most known for improving the credibility of wireless networking simulation studies. More than 4,000 researchers in 88 countries/regions have downloaded at least one of the twelve software packages developed by her research group (as of June 2021) and her research articles have been cited 14,794 times (per Google Scholar, as of June 2021).

Camp has received over 20 grants from the National Science Foundation, including a prestigious CAREER award. In total, her projects have received over $20 million dollars in external funding.

Camp is an ACM Fellow, an IEEE Fellow, and an ACM Distinguished Lecturer. She was a Fulbright Scholar in New Zealand in 2006, and a Distinguished Visitor at the University of Bonn in Germany in 2010. She earned her B.A. in mathematics at Kalamazoo College, M.S. in computer science from Michigan State University, and Ph.D. in computer science from the College of William and Mary.

Camp will be the first woman to serve as Executive Director at CRA. She succeeds Andrew Bernat, who served CRA for nearly 20 years before retiring in September, 2021. Peter Harsha, CRA’s Director of Government Affairs, will continue to serve as CRA’s Interim Executive Director until July 1, 2022.
2022 CRA Conference at Snowbird Update

July 19 - 21, 2022    |   Snowbird, UT

The biennial CRA Conference at Snowbird is the flagship invitation-only conference for the leadership of the North American computing research community.

**The conference site:**
The Snowbird Resort is located in the Wasatch Mountains about 30 miles from Salt Lake City. A top-rated ski resort in the winter, off-season at Snowbird offers hiking amidst beautiful scenery.

**This year at the conference:**
Conference theme: **Socially Responsible Computing Research**

This year’s CRA Conference at Snowbird will explore the tremendous opportunities for computing research to dramatically benefit the human condition, as well as the related responsibility for computing research to consider the risks inherent in the work we do. Ensuring socially responsible intentions and practices is critical to realizing the future potential of computing research.

Sessions will be broken down into four tracks:

- **Track 1: Computing Departments** – Undergraduate and graduate interest in computer science has skyrocketed. This track includes sessions that will explore how to support high-quality, diverse research and teaching in the context of booming enrollments.
- **Track 2: Computing Education** – This track looks at areas that are emerging as an important part of the computing research curriculum, including ethics, security and privacy, and data science.
- **Track 3: Computing in Industry** – As computing grows ubiquitous, computing research is increasingly important to industry. This track will cover how research is conducted in industry and the partnership between industry and academia.
- **Track 4: Computing for Good** – This track will explore the ways that computing research can help create a better future by supporting social justice, removing bias, and driving environmental sustainability

**2022 Conference at Snowbird Organizing Committee:**
Penny Rheingans (University of Maine) Co-Chair  
Shashi Shekhar (University of Minnesota) Co-Chair  
Jaime Teevan (Microsoft) Co-Chair  
James Allan (University of Massachusetts, Amherst)  
Christine Alvarado (University of California, San Diego)  
Carla Brodley (Northeastern University)  
Peter Harsha (CRA)  
Kate Larson (University of Waterloo)  
Ran Libeskind-Hadas (Claremont McKenna College)  
Divesh Srivastava (AT&T)

**New Department Chairs Workshop**
Carla Brodley (Northeastern University) Co-Chair  
Katie Siek (Indiana University) Co-Chair
Analysis of Current and Future Computer Science Needs via Advertised Faculty Searches for 2022

By Craig E. Wills, Professor and Department Head, Computer Science Department, Worcester Polytechnic Institute

This work uses the same methodology applied over eight years to study where Computer Science departments are choosing to invest faculty positions using data obtained from advertised tenure-track searches for the current hiring season. This work also provides an opportunity to continue to understand the effects of the COVID-19 pandemic on faculty hiring in Computer Science for hires starting in 2022.

We analyzed ads from 400 institutions seeking to fill hundreds of tenure-track faculty positions in Computer Science. This number is a 70% increase from last year at this time (mid-November) and is a comparable number to the 394 institutions searching for 2020. The number of tenure-track positions sought is doubled from last year and up 6% from two years ago indicating a recovery in demand after a one-year drop due to the pandemic. The number of BS/BA institutions seeking faculty is at an eight-year high with top PhD and private PhD institutions at eight-year highs in the number of positions being sought.

We clustered the specific Computer Science topics mentioned in ads into 16 areas. In terms of specific areas, we again found that the clustered area of AI/Data Mining/Machine Learning accounts for the most with 18% of all sought positions and Security again second at 17%, although these percentages are a bit lower than last year. The area of Data Science is at 11% of positions, but aggregating the Data Science, AI/DM/ML and Databases clusters again resulted in close to a third of all hires sought in these data-oriented areas. The area of Systems/Networking was fourth in the percentage (9%) of positions sought.

Differences are also seen when analyzing results based on the type of institution. As was the case last year, positions in the clustered area of AI/Data Mining/Machine Learning have the highest percentages for PhD institutions. Again positions related to Security have the highest percentages for MS and BS/BA institutions. Theory/Algorithms is the second-most sought area for PhD institutions while Data Science is the second-most sought area for MS and BS/BA institutions.

The full study is available at: http://web.cs.wpi.edu/~cew/papers/CSareas22.pdf
CRA-WP welcomes your nominations for the Early Career Awards honoring Anita Borg and Clarence “Skip” Ellis:

**Anita Borg Early Career Award (BECA)**
The Anita Borg Early Career Award (BECA) is named in honor of Anita Borg, who was an early member of CRA-WP and is inspired by her commitment to increasing the participation of women in computing research.

The annual award is given to a woman in computer science and/or engineering who has made significant research contributions in computer science and/or engineering and has also contributed to the profession, especially in outreach to women.

**Skip Ellis Early Career Award (SEECA)**
The Skip Ellis Early Career Award is in honor of Clarence “Skip” Ellis; he was the first African-American to earn a Ph.D. in computer science and the first African-American to be elected a Fellow of the ACM.

SEECA aims to recognize early-career individuals underrepresented in computing research that best exemplify the pioneering spirit of Skip Ellis. The leadership and trailblazing of Prof. Ellis and his cohort established the foundation for future generations of pioneers in computing. Prof. Ellis and his generation valued both excellence in scholarship and cultivation of equal opportunity in service to the profession, the nation, and the lived experience of those underrepresented. Skip Ellis awardees are expected to be rising stars in their field of research and broadening participation in computing.

This annual award is given to a person who identifies as a member of a population underrepresented in computing (African-American, Latinx, Native American/First Peoples, and/or People with Disabilities), who has made significant research contributions in computer science and/or engineering and has also contributed to the profession, especially in outreach to underrepresented demographics.

Learn more about the award eligibility and the nomination process: [https://cra.org/cra-wp/early-career-awards](https://cra.org/cra-wp/early-career-awards)

**Nominations are due February 15, 2022, at 11:59 PM ET**
Congratulations to the recipients of the 2022 Outstanding Undergraduate Researcher Award. This year’s nominees are a very impressive group. A number of them were commended for making significant contributions to more than one research project, several are authors or coauthors on multiple papers, others have created papers for major conferences, as well as producing software, apps and algorithms.

Many of the nominees had been involved in successful summer research or internship programs, many had been teaching assistants, tutors, or mentors, and a number had significant involvement in community volunteer efforts.

CRA gratefully acknowledges the support of Microsoft Research and Mitsubishi Electric Research Labs (MERL), which sponsor the Outstanding Undergraduate Researcher Award program in alternate years. MERL is the sponsor of this year’s awards.

2022 Selection Committee: Michael Hilton (Carnegie Mellon University), Co-Chair, Kelly Shaw (Williams College), Co-Chair, Monica Anderson (University of Alabama), Jonathan Bell (Northeastern University), Victoria Interrante (University of Minnesota), Jelani Nelson (University of California, Berkeley), Evan Peck (Bucknell University), Raghu Ramanujan (Davidson College), Jenna Wiens (University of Michigan), Yuqing Melanie Wu (Pomona College)

Thank you to those who volunteered their time to serve on the selection committee for this award.

A list of the winners, runners-up, finalists, and honorable mentions is below.

Awardees

Amani Maina-Kilaas

Harvey Mudd College

Amani Maina-Kilaas is a junior at Harvey Mudd College, where he is pursuing a joint Computer Science and Math degree. His research area is in AI, investigating how intention perception can benefit artificial agents in adversarial situations. This work involves physics simulations for virtual agents and 3D visualizations between predators and prey. Using these techniques, his work explores intention in multi-agent prey-predator interactions and adversarial two-player games, as well as the perception of intention from artifacts that an agent has left behind. He has co-authored a total of three papers, in ICAART, CEC, and COG, for all of which he was the lead or co-lead author. Additionally, he contributes to the community via peer tutoring for introductory computer science courses.

Leena Mathur

University of Southern California

Leena Mathur is a senior at the University of Southern California, where she is pursuing a triple major in Computer Science, Cognitive Science, and Linguistics. Her multidisciplinary AI research is at the intersection of these fields. She leads a research project on multimodal ML approaches for detecting social behaviors. This research has applications for recognizing deception in people masking stress and anxiety in social interactions. She has also worked in a wide variety of other areas, including robot perception of empathy, socially assistive robot tutors for children with autism spectrum disorders, and unsupervised ML and speech processing algorithms for preserving Ladin, an endangered Italian language. She has co-authored a total of seven papers, including six of which she was the lead author, or co-lead author, one of which was nominated
Award Recipients (continued)

for a best paper award at ICMI. Her other work has appeared at AAAI, ICASSP, MLSLP, ACII, and FG. Additionally, she contributes to her community by designing and leading AI workshops for USC undergraduates and for Los Angeles high school students. She also leads the USC Interaction Lab’s DEI committee and has served as the President of USC’s student branch of the Center for Artificial Intelligence in Society.

**Ted Pyne**

Harvard University

Edward (Ted) Pyne is a senior at Harvard University, where he is pursuing degrees in Mathematics and Computer Science. His research interest is in theoretical computer science, where he works to understand the power of randomness in computation. He focuses on the derandomization of space-bounded computation, which addresses the fundamental question of whether randomized algorithms are more powerful than deterministic algorithms. His work includes showing the first known example of a weighted pseudorandom generator (WPRG) that is better than every pseudorandom generator (PRG). He is a co-author on six papers, including papers at ITCS, COCOON, CCC, and SOSA. He has also served as a teaching assistant, where he has received awards for high student evaluations, and is an officer for the Harvard MIT Mathematics Tournament.

**Sophie Veys**

University of Chicago

Sophie Veys is a senior at the University of Chicago, where she is pursuing a degree in Computer Science. Her research interests lie at the intersection of privacy and HCI. Her research centers on data access rights. Her work includes the study of the usability of data downloads, which she studied both by surveying the landscape of existing practices, as well as exploring usability flaws which hinder transparency via co-design sessions. She is a co-author on four papers at both HCI and Systems venues, including SOUPS, ConPro, USENIX, and CHI and received an honorable mention for her paper at CHI. She also supports her community, where she has served as a tutor in the Maroon Tutor Match program, as well as serving in a leadership role for that organization.

**Runners-Up**

**Xinyu Tan**

Duke University

Xinyu Tan is a senior at Duke University majoring in Mathematics and in Computer Science. Her research is in the areas of quantum computing and flash memory systems. In one project on quantum benchmarking, she designed an improvement to the protocol used to estimate the average gate fidelity in a quantum computer that is used to characterize the degree of error in the environment. In an unrelated project on flash memory, Xinyu created a method for deriving the power spectral density of constrained codes in flash memory systems, where better estimates of power spectral density can be used to improve the reliability of flash memory systems. This work was published in the *IEEE Transactions on Communications* and was selected as a finalist for the *Non-Volatile Memories Workshop*’s Memorable Paper award. In addition to serving as a teaching assistant for four courses, including a graduate level course...
in mathematics, Xinyu also co-founded the Duke Undergraduate Quantum Information Society, which organizes talks by external speakers, and has organized and taught a house course on quantum computing.

Nicholas Vadivelu

University of Waterloo

Nicholas Vadivelu is a senior at the University of Waterloo majoring in both Computer Science and Statistics. His research has been in the area of differentially private machine learning and in multi-agent systems such as self-driving cars. He is the co-first author on a paper at NeurIPS which presents a solution for significantly speeding up the algorithm for performing differentially private stochastic gradient descent. His solution has been added to several commonly used libraries for machine learning including TensorFlow Privacy and the Optax library for JAX. In a different project pursued during an internship at Uber ATG, Nicholas helped develop a neural reasoning framework for estimating and communicating errors in multi-agent self-driving perception and motion forecasting systems and is first author on the resulting paper published at CoRL. At the University of Waterloo, Nicholas is the leader of the Data Science Club and mentors junior students through the Tech+ Mentorship organization.

Catherine Yeh

Williams College

Catherine Yeh is a senior at Williams College majoring in Computer Science and earning a concentration in Cognitive Science. Her work is in an area of Human-AI called explainable AI, where the goal is to help everyday users of AI based systems understand the limitations and flaws of the decisions or recommendations made by those systems and allow users to modify their use of those systems accordingly. In one project, Catherine created interactive explainables for understanding Bayesian Knowledge Tracing, which is an algorithm used in learning analytic systems for predicting skill mastery. For her senior thesis, she is designing a visualization-based explainable that evaluates how non-expert users’ understanding of the Bayesian Knowledge Tracing algorithm affects users’ trust in the system and decision-making process. Her work has been presented at the Grace Hopper Celebration of Women in Computing and at the VISxAI conference. In another project while at Microsoft Research, Catherine developed a machine learning algorithm to automatically categorize open-ended qualitative survey responses in a longitudinal work-from-home diary study; results from that project will appear in an ACM Queue article. Catherine has served as a teaching assistant for four different Computer Science courses, is a board member for the Underrepresented Identities in Computer Science group and the Computer Science Student Advisory Committee, and is an active member of the Women in Computer Science group.

Tianwei Yin

University of Texas at Austin

Tianwei Yin is a senior at the University of Texas at Austin where he is completing majors in Computer Science and Mathematics. He has participated in research related to using machine learning with respect to visual information, especially for 3D vehicle detection and tracking. In one project published at CVPR, he developed a novel 3D detection pipeline that is faster than other state-of-the-art models. In follow-up work, Tianwei created a new approach for detecting small objects when there is a limited number of 3D measurements available for those small objects, enabling
autonomous vehicles to see a larger number of small objects at larger distances; this work received the most innovative detection submission award at *ICRA* and will be presented as a paper at *NeurIPS*. His work has had a strong impact; in particular, his detector work has been adopted by two self-driving companies into their self-driving systems. Just recently, Tianwei has won the Best Paper Award at Machine Learning for Health Conference 2021. Tianwei has also served as a teaching assistant for a course on neural networks and does community outreach explaining 3D computer vision and autonomous driving.

### Finalists

Zoe Baker - Colorado School of Mines  
Shiye Cao - Johns Hopkins University  
Joe Connolly - Yale University  
Shanley Corvite - University of Michigan  
Grady (Max) Daniels - Northeastern University  
Alexander Elliott - Georgia Institute of Technology  
Louis Golowich - Harvard College  
John Guibas - Stanford University  
Kelvin Jiang - University of Waterloo  
Jacob Kelly - University of Toronto  
Jessica Lam - University of California, San Diego  
Jiaju Ma - Brown University  
Arvind Mahankali - Carnegie Mellon University  
Joseph McCalmon - Wake Forest University  
HyunJi Alex Nam - Stanford University  
Aesha Parekh - University of California, Santa Barbara  
Amey Pasarkar - Columbia University  
Naveen Raman - University of Maryland  
Ohad Rau - Georgia Institute of Technology  
Winnie Xu - University of Toronto

### Honorable Mentions

Vatsal Agarwal - University of Maryland, College Park  
Ben Agro - University of Toronto  
Rahul Arya - University of California, Berkeley  
Timothy Baer - University of Illinois  
Vishnu Banna - Purdue University  
Shriya Bansal - University of Chicago  
Sourav Biswas - University of Waterloo  
Landon Brown - Colorado School of Mines  
Madeline Burbage - Williams College  
Jerry Cao - University of Washington  
Yida Chen - Bucknell University  
Yu-Hsi Cheng - University of California, Los Angeles  
Jonathan Conroy - Tufts University  
Will Culpepper - Colorado School of Mines  
Chengzhang Dong - University of Alberta  
Amina El-Ashry - University of Maryland, Baltimore County  
Nick Eliopoulous - Purdue University  
Tiana Fitzgerald - Princeton University  
Oliver Flatt - University of Utah  
Henry Fleischmann - University of Michigan, Ann Arbor  
Rachel Guo - Harvard College  
Mike He - University of Washington  
Benjamin Holmgren - Montana State University  
Samhita Honnavalli - University of California, Santa Barbara  
Crescentia Jung - University of Wisconsin - Madison  
Megan Jung - Cornell University  
Mandar Juvekar - University of Rochester  
Simran Kadadi - Purdue University  
Levi Kaplan - Northeastern University  
Joongwon (Daniel) Kim - University of Pennsylvania  
Nathaniel R. Krasner - George Mason University  
Xiyu Li - Cornell University  
Tony Lian - University of California, Berkeley  
Zhengyao Lin - University of Illinois  
Jerry Liu - Duke University  
Shicheng Liu - University of Chicago  
Yuzhe Lu - Vanderbilt University  
Cora Meador - Kennesaw State University  
Alexander Moreira - Stanford University  
Vivek Myers - Stanford University  
Andy Nguyen - University of Oregon  
David Park - Carnegie Mellon University  
Luna Phipps-Costin - University of Massachusetts, Amherst  
Emma Pinegar - University of Utah  
Wasu Piriyakulkij - Brown University  
Daisy Reyes - Loyola University Chicago

**Award Recipients (continued)**
Award Recipients (continued)

Naomi Sagan - University of California, Berkeley
Kris Satya - Georgia Institute of Technology
Daniel Schaffer - Carnegie Mellon University
Ana Selvaraj - University of California, San Diego
Zeyu Shen - Duke University
Noah Singer - Harvard University
Akash Singh - University of Texas at Austin
Charlie Snell - University of California, Berkeley
Shixin Song - University of Michigan, Ann Arbor
Koriann South - University of Utah
Nichole Starr - Colorado School of Mines
Vikram Subramanian - University of Waterloo
Shangyin Tan - Purdue University
Man To Tang - Purdue University
Zineng Tang - University of North Carolina at Chapel Hill
Mia Taylor - Harvey Mudd College

Nitya Thakkar - Brown University
Vale Tolpegin - Georgia Institute of Technology
Yunjin Tong - Dartmouth College
Jessica Tweneboah - Cornell University
Maggie Van Nortwick - Northeastern University
Xingyao Wang - University of Michigan
Yi Ru Wang - University of Toronto
Yu Xin - University of Washington
Lance Ying - University of Michigan, Ann Arbor
Eleanor Young - New College of Florida
Abhay Zala - University of North Carolina at Chapel Hill
Peter Zhong - Northwestern University
Naitian Zhou - University of Michigan
Chuning Zhu - University of Pennsylvania
Jay Zou - Northwestern University
By Patty Lopez and Soha Hassoun

As efforts to broaden computing have become more diverse, inclusive, and just, despite increasing enrollments in computer science, the percentages of historically excluded students have not changed much and many institutions are struggling to retain them. Research Experiences for Undergraduates (REUs) are designed to introduce undergraduate students to research and present active training opportunities that may lead to students pursuing advanced academic degrees. Students are exposed early in their academic careers to research as problem solving, and therefore can develop critical thinking skills independently of coding skills. REUs provide an alternative source of funding while engaging with faculty and mentors who can nurture their interests and provide encouragement to persist in their degree program, often prior to declaring a major. In addition to providing early research engagement opportunities for first year and second year students with insufficient experience to compete for cooperative and summer internships, applying to and participating in REUs provide experience navigating application requirements (including writing a personal statement and gaining strong letters of recommendation, which helps them get to know faculty and vice-versa), collaborating on a project, and building a set of skills that would make them an attractive graduate school applicants. REUs are especially beneficial for first-generation, community college, and non-traditional students who may have limited exposure and access to graduate school, the application process, and hands-on opportunities to explore the field more deeply.

We share some key insights that have been gleaned from evaluation reports of mentors and participants in the CRA Committee on Widening Participation in Computing Research (CRA-WP)'s Collaborative Research Experiences for Undergraduates (CREU) and Distributed Research Experiences for Undergraduates (DREU) programs and our own firsthand experiences working with and mentoring undergraduate students.

“Participants indicated the most satisfying aspects of CREU related to the ability to learn new things, conduct and disseminate research, and work with a team of students. Participants were particularly pleased with knowing their research had made a positive impact on others, in both their own community and in communities around the world. Many participants expressed appreciation for their mentor and working with their teammates. Others were enthusiastic about producing work that was not only submitted to conferences but could be highlighted on their resumes for future job and graduate school applications.” 2017-2018 CRA-W CREU Participant Feedback Report.
This month, the CRA Center for Evaluating the Research Pipeline (CERP) published an analysis that showed students who participated in CRA-WP’s CREU and DREU programs pursue graduate degree in computing at higher rates than students who participated in other REU programs and students who did not participate in an REU program.

As the academic landscape continues to compete with the tech industry for talent, what can faculty do to help students persist in the degree, consider the myriad of career opportunities available to them, and gain an appreciation for the longer-term employment picture that a research career may offer?

1. **Demystify the term “research”, repeatedly, and often.** Connect research to questions these students have about how technology works, how it should work, who it works for and who it leaves out, and how their involvement can improve the lives of those they care most about. Cultivate their natural curiosity and direct it into areas that they can explore and practice writing research questions that may lead to a field of inquiry. Teach them how to scope and bound their exploration so they can confidently complete an activity and continue their exploration.

2. **Encourage individual students to apply.** In addition to advertising opportunities to all the students in a class, reach out to several of them and individually encourage them to apply. This could be a short sentence on a homework based on something they wrote that hinted at the ability to think more deeply about the assignment, insightful questions asked in class or in a lab, or visits during office hours. Many historically excluded, first-generation, and non-traditional students may be unaware or lack confidence in applying to an REU program or think that they are unable to afford graduate school. Be highly aware of the biases that creep into evaluations of who can be successful as you assess who to encourage.

3. **Share personalized journeys of persistence and adversity, as well as successes.** Sharing how you and your mentees navigated career paths, gained both financial and emotional support, built supporting communities and networks, submitted papers, got past letters of rejection – will help students discover their own resilience and resourcefulness, and gain confidence in their growing expertise to pursue their chosen field of inquiry.

4. **Host REU application workshops in your department.** A one-hour session of what is involved in writing a personal statement, how to get strong letters of recommendation, and ways to get involved to add meaningful experiences to their resume, like doing K-12 outreach, participating in a student organization, working in a computer lab, organizing a hack-a-thon, going to a technical or professional conference – all of these help the students connect with other like-minded students to build their own support networks that reinforce a sense of belonging. A second hour can be a working session with graduate students and outreach program directors to create a draft application.

5. **Consider first year students and sophomores for REU opportunities.** Many students will be looking for industry internships after their junior year. Meanwhile, second semester students and sophomores are still open to multiple career paths and will have more difficulty competing for these internships. Distributed REUs offer an environment to work collaboratively with researchers and participants from different institutions, opening richer opportunities for getting an advanced degree. Participating in an REU that is well managed gives these students exposure to project work, which is key to building a sense of belonging, shared ownership, and self-confidence, and lessens impostor syndrome. These are critical aspects of retention and enables them to compete for future REU and internship experiences.

6. **Support interdisciplinary interests.** Students may be interested in a field of inquiry that spans one or more departments. Connect them with faculty in other departments who are supportive of this type of exploration. Even if they choose to minor in computing, they may eventually pursue an advanced degree in computing. Many rich areas of research are found at the intersection of multiple disciplines.
7. Create an avenue for REU participants to share their work. The strong sense of accomplishment they obtained from a positive experience can open the door to deeper exploration, especially as they get questions from their audiences. Coach them on how to answer questions that fall outside of their area of expertise so they can practice maintaining their composure and self-confidence. This enables them to become near-peer role models and mentors for other students who are curious about these programs. Encourage them and advocate for them within your department to apply for travel scholarships to conferences to present their work.

8. Ensure the REU experience is a positive one. If you manage or sponsor an REU program, set clear guidelines for the faculty and mentors about the time commitment needed and clear goals and project deadlines for the participants. Host specific training on unconscious bias and how to mitigate it, and ensure labs, buildings, and housing are accessible to people with disabilities. Advertise it broadly outside of your organization, especially outside of close networks to Historically Black Colleges and Universities (HBCUs), Hispanic Serving Institutions (HSIs), Tribal Colleges and Universities (TBCUs), Asian American and Native American Pacific Islander Serving Institutions (AANAPISI), and feeder community colleges. Offer accommodations to all students so those with disabilities can make use of them without asking. Be thoughtful about how students will engage with each other, as well as their experience outside of the classroom or lab. Assess the REU program experiences from past participants to incrementally improve your program. For distributed REUs away from the home campus, traveling to a different state, working in a new lab, living away from home in unfamiliar surroundings can overwhelm participants struggling with impostor syndrome or anxiety. It is critical that the housing and transportation be vetted as safe and not left to an inexperienced participant to struggle to feel secure outside of the research environment. Provide both positive and negative feedback to REU programs your students participated in so that they can address the negatives and reinforce the positives.

Perhaps the single most important factor to convince a student to engage in an REU program is the personal encouragement by a faculty member or mentor to pursue such an opportunity. Actively dismantle the myth of meritocracy and stereotypes of innate “genius”. Bias can creep into estimations of what a “successful” student looks like academically, based on what courses they have taken, where they went to high school, and prior computing experience, and it takes focused effort to avoid the same biases in assessments of who will be successful pursuing an advanced degree.

To meet students ‘where they are’, consider the general strategy of identifying and nurturing student interests and determining how best to close the gaps in their knowledge and experiences through a research experience. Examples of such “bridge research experiences” include a well-designed research project focused on learning a specific skill or technology, working collaboratively with a more experienced student who is interested in mentoring others, or a multi-student project with similarly positioned students who can co-learn the material and experience a supportive environment. It should never be too late to expose students to a research experience in their discipline.
The CRA-WP DREU program is accepting applications through February 15, 2022 here. NSF REU programs can be found here.

About the Authors

Dr. Patty Lopez is currently an Intel Encore Computer Science Fellow at New Mexico State University (NMSU), a Hispanic Serving Institution where she is a distinguished alumna. Prior to her role at NMSU, she spent 13 years as a Platform Application Engineer at Intel and 19 years as an imaging scientist and software developer at Hewlett-Packard. Patty has seven patents and over 20 years of experience in diversity and inclusion work. She is a member of the CRA-WP Board, the Computing Alliance for Minority Participation Board, and the National Academy of Sciences, Engineering, and Medicine’s Roundtable on Systemic Change in Undergraduate STEM Education.

Dr. Soha Hassoun is Professor and past Chair of the Department of Computer Science at Tufts University, where she holds secondary appointments in the Department of Chemical and Biological Engineering, and the Department of Electrical and Computer Engineering. Soha’s research is currently at the intersection of machine learning and systems biology, developing tools and analysis techniques to provide insight into complex biological systems. She provided research mentorship to many undergraduate research students that have pursued PhDs in Computer Science and other advanced degrees. Soha is a member of the CRA-WP Board, and former co-chair for the CREU program.

Patty and Soha serve as editors for the Expanding the Pipeline column in Computing Research News.
C/DREU Students Continue to Pursue a Graduate Degree in Computing at Higher Rates

By Burçin Tamer, Director of CERP

Post-graduation Plans for C/DREU and Other REU Participants, and Students With No REU

<table>
<thead>
<tr>
<th></th>
<th>Doctorate</th>
<th>Master’s</th>
<th>Applied, not attending</th>
<th>Did not apply</th>
</tr>
</thead>
<tbody>
<tr>
<td>C/DREU (n = 142)</td>
<td>21%</td>
<td>43%</td>
<td>10%</td>
<td>26%</td>
</tr>
<tr>
<td>Other REU (n = 142)</td>
<td>29%</td>
<td>51%</td>
<td>5%</td>
<td>15%</td>
</tr>
<tr>
<td>No REU (n = 142)</td>
<td>36%</td>
<td>55%</td>
<td>6%</td>
<td>3%</td>
</tr>
</tbody>
</table>


Notes:
The graphic presented here extends prior analysis on CRA-WP’s Collaborative Research Experiences for Undergraduates (CREU) and Distributed Research Experiences for Undergraduates (DREU) programs by adding additional years of data from The CRA Data Buddies Survey (DBS) for Graduating Students conducted in spring 2017 and 2018 to cover 2011 to 2018. The DBS for Graduating Students was sent to students who responded to DBS in a previous year and had an expected graduation date within one-year of the Graduating Student Survey.

Previous analysis were reported in two CRN CERP infographics in February 2016 and May 2017.

The percentages shown in this graphic were compared using two-proportion t-tests and a difference is considered statistically distinguishable when p-value is less than 0.05.

This analysis is brought to you by the CRA’s Center for Evaluating the Research Pipeline (CERP). CERP provides social science research and comparative evaluation for the computing community. Subscribe to the CERP newsletter here. Volunteer for Data Buddies by signing up here.

This material is based upon work supported by the National Science Foundation under Grant Number (CNS-1246649, CNS 1840724, DUE-1431112, and DUE 1821136). Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.
CRA-E 2022 SIGCSE TS Pre-Symposium Event

The CRA Education Committee, with support from NSF, is organizing a Pre-Symposium Event for Teaching-Track Faculty at SIGCSE 2022. The event will be held on Wednesday, March 2, 2022 from 8:30 AM – 3:30 PM EST. We are now accepting applications to the event! Click here for more information and a tentative agenda. 2021 event information is available here.

Computer Science departments have experienced significant course enrollment increases and many Ph.D. granting departments have introduced or increased the number of academic teaching faculty positions that have academic rank. The one-day event will focus on the professional development of teaching track faculty (professor of practice, instructor, clinical faculty, lecturer, etc.) in Ph.D. granting departments. It fills a crucial need as many departments have limited experience on how to mentor, evaluate, and promote this new type of faculty. The sessions will focus on how teaching faculty can strategize their involvement in departmental as well as research activities, different forms of scholarship and leadership activities to pursue, and best practices for success, promotion, and advancement. Academic leaders involved in supervising and evaluating teaching track faculty will provide their perspective and insights.

Apply to Attend

The number of attendants is limited, and an application is required. The application deadline is January 31. Applicants will be notified of a decision by February 14.

To apply to attend the event, please fill out the form here.
By Ann Schwartz, CCC Director

The Computing Community Consortium (CCC) is charged with enabling the pursuit of innovative, high-impact computing research that aligns with pressing national and global challenges. Established in 2006 through a cooperative agreement between the U.S. National Science Foundation (NSF) and the Computing Research Association (CRA), the CCC provides a voice for the national computing research community, facilitating the development of a bold, multi-themed vision for computing research and communicating that vision to a wide range of stakeholders.

To fulfill its mission, the CCC seeks visionary leaders — people with great ideas, sound judgment, and the willingness to work collaboratively to see things through to completion. The Council is composed of 20 researchers representing the breadth and diversity of computing today.

Please help the computing community by nominating outstanding colleagues for the Council.

The CCC carries out its work through an active and engaged Council, currently led by Chair Liz Bradley (University of Colorado Boulder) and Vice Chair Daniel Lopresti (Lehigh University). The members of the Council are appointed by CRA, in consultation with NSF, for staggered three-year terms. In the aggregate, the Council strives to reflect the full breadth of the computing research community — this includes its research areas, institutional structures and geography (e.g. industry / academia, public / private, large / small, urban / nonurban), and all other forms of diversity, broadly defined. The Council is fully supported by a dedicated staff at CRA, led by Director Ann Schwartz.

What do CCC Council members do?

• Help develop and lead new visioning activities (e.g. AI Roadmap)
• Shepherd visioning activities put forward by community colleagues (e.g. Workshop Series on Assured Autonomy)
• Serve on and engage in topical CCC Task Forces
• Develop and lead new activities (e.g. AA Discussion Series)
• Engage with government agencies, industry, and sister organizations (NSF, NIH, NITRD, ACM, IEEE-CS, etc.)
• Write and edit white papers, blog posts, and contribute to other CCC communications efforts (e.g. 2020 Quadrennial Papers)
• Participate in monthly video conferences
• Attend three full-day Council meetings each year
• Handle other requests from and for the community, as needed

For more information about the CCC, please visit our website and blog.

The CCC’s Nominating Subcommitte invites nominations (including self-nominations) for members to serve on the CCC Council for terms beginning July 1, 2022 and concluding June 30, 2025. Our goal is for the Council to represent the full computing research community. We are seeking new members to complement the current Council to help us achieve this goal.

Please send nominations, together with the information below, to ccc-nominations@cra.org by 11:59pm EST on Friday, February 11, 2022. The subcommittee’s recommendations will serve as input to CRA and NSF, who will make the final selection.

Please include:

• Name, affiliation, and email address of the nominee.
• Areas of research expertise.
• Previous significant service to the research community and other relevant experience, with years it occurred (no more than *five* items).
• A curriculum vitae of the nominee (link to webpage is fine).
• A few sentences about why this candidate would be a great addition to the Council and complement its current membership.
• The names and contact information (email and phone) for 2-3 people who would be knowledgeable about the nominee’s potential for such a service role.

Please note that in order to represent the community and provide a breadth of knowledge and backgrounds, the CCC selects new Council members from institutions different from those of continuing council members.

If you submitted a nomination within the past three years and believe that individual would still be a good fit, please let us know along with any updates you consider relevant. We will include new information we receive when we review past nominations.

If you have any questions, please direct them to the CCC Director Ann Schwartz (aschwartz@cra.org).
Call for Proposals: Creating Visions for Computing Research

By Ann Schwartz, CCC Director

The mission of Computing Research Association’s (CRA) Computing Community Consortium (CCC) is to enable the pursuit of innovative, high-impact research that aligns with pressing national and global challenges.

In accordance with the mission, the CCC is issuing a new call for proposals for visioning activities that will catalyze innovative research at the frontiers of computing. Successful activities will articulate new research visions, galvanize community interest in those visions, mobilize support for those visions from the computing research community, government leaders, and funding agencies, and encourage broader segments of society to participate in computing research and education.

This guide shares further insight about the visioning process, from idea conception through program formation. It includes suggested activities, sample wording, and a timeline. Past examples of visioning activities can be found here.

From the solicitation:

A well-formulated proposal should do the following:

- **Describe** the visioning topic area and its current state of development within the field.
- **Explain** the proposed activities in detail (if more than one activity, be sure to demonstrate the differences between the activities, the rationale for more than one activity, and the mechanisms to coordinate across activities).
- **Connect** the activity and the vision: how does the former support/foster the latter?
- **Justify** why this vision and this activity are appropriate now,
- **Specify** the intended outcomes of the activity, and
- **Describe** how those outcomes can be used to advance the visioning topic area.

A complete proposal must also

- **Identify** the organizing committee,
- **Include brief** biographical sketches of the organizers,
- **Propose** a representative set of potential invitees (be sure to include representation from industry, policy and funding organizations),
- **Provide** a draft budget with justification, and
- **Articulate** how the success of the activity and its outcomes can be assessed.

If you have ideas or topics for visioning, please consider submitting a proposal. The CCC Director, Ann Schwartz, is happy to discuss your ideas for the community and encourages you to submit a Letter of Intent (of no more than one-page) addressing the high-level ideas.

For CCC planning purposes, proposals with start dates prior to Winter 2022 should be submitted by May 15, 2022. Proposals should be no more than six pages in length. They should describe the existing or potential vision(s) and proposed activities in detail, including how the larger community will be engaged.

For more information, see the complete call for proposals. And if you have questions, please e-mail us or see the slides from the Visioning Activities Webinar.

We look forward to discussing your ideas with you!
By CCC Staff

Congress recently passed the **Infrastructure Investment and Jobs Act**, a bipartisan bill which includes $550 billion in new federal spending on infrastructure over five years. President Biden is **scheduled to sign** the bill into law on November 13th.

While designed as a traditional infrastructure bill, an analysis of the legislation by the **Computing Research Policy Blog** found several sections that are of note to the research community and the computing research community specifically:

- A five-year, $100 million a year SMART grant program at the Department of Transportation (DOT);
- several intelligent transportation and smart communities pilot programs at DOT;
- a new ARPA program (ARPA-Infrastructure) at DOT;
- Division F, a large subsection of the legislative package, is dedicated to expanding broadband access; and
- several provisions deal with cybersecurity issues, particularly with regard to developing technologies for protecting infrastructure and local governments.

For several years, the Computing Community Consortium (CCC) has advocated for involving the computing research community in the development and deployment of smart and connected infrastructure. From 2017 – 2019 the CCC maintained a task force focused on **Intelligent Infrastructure**. Intelligent infrastructure refers to the embedding of sensing, computing, and communications capabilities into physical infrastructure, and this task force focused on exploring the challenges and opportunities in the intersection between infrastructure, the Internet of Things, and other relevant technologies that are vital to the creation of smart cities and communities.

Investments in infrastructure are typically long-term investments (on the order of multiple decades in many cases); therefore it is necessary to build with a view to the future. Modern computing technologies are small, energy-efficient, and reliable enough to be embedded into new infrastructure. This offers the ability to monitor and modify this infrastructure over time to improve performance or safety; for instance, modifying traffic lights to optimize traffic flows. Computing researchers must be involved in creating, testing, and deploying these technologies that, while potentially beneficial, also increase the complexity of systems and increase the dimensions for failure.

One of its key activities was producing a **white paper series** in collaboration with the **Electrical and Computer Engineering Department Heads Association** (ECEDHA). The white papers were:

- A National Research Agenda for Intelligent Infrastructure
- MOBILITY21: Strategic Investments for Transportation Infrastructure & Technology
- Digital Grid: Transforming the Electric Power Grid into an Innovation Engine for the United States
- Research Agenda in Intelligent Infrastructure to Enhance Disaster Management, Community Resilience and Public Safety
- City-Scale Intelligent Systems and Platforms
- Intelligent Infrastructure for Smart Agriculture: An Integrated Food, Energy and Water System
- Safety and Security for Intelligent Infrastructure
- A Rural Lens on a Research Agenda for Intelligent Infrastructure
- Privacy in Information-Rich Intelligent Infrastructure
- Smart Wireless Communication is the Cornerstone of Smart Infrastructures

In January 2018, members of this task force participated in a **congressional briefing** where they made the case for federal funding investment in intelligent infrastructure. From the **CRA Policy Blog post** about the briefing:

The panel – led by moderator **Daniel Lopresti**, Chair of the Department of Computer Science at Lehigh University, along with **Henning Schulzrinne** of Columbia (and former CTO of the Federal Communication Commission); **Matt Wansley**, General Counsel for nuTonomy, a startup focused on autonomous vehicle technologies; **Nadya Bliss**, the Director of the Global...
Security Institute at Arizona State; and Beth Mynatt, Director of the Institute for People and Technology at Georgia Tech — highlighted the promise of the technologies that will enable more intelligent infrastructures, but also noted critical gaps and barriers to successful deployments. The briefing was sponsored by CRA, along with honorary co-hosts Rep. Lamar Smith (R-TX), Chair of the House Science, Space and Technology Committee, and Rep. Eddie Bernice Johnson (D-TX), Ranking Member of the House Science, Space and Technology Committee.

“The scope of the transformation we are facing is truly unprecedented,” Lopresti noted. “It’s hard to find proper comparisons, but intelligent infrastructure is likely to have an impact on our society comparable to the establishment of the national electrical grid in the 1930s, the interstate highway system in the 1950s, and the Internet in the 1960s. Indeed, intelligent infrastructure can be viewed as the convergence of these three very powerful ideas.”

The panel pointed out a rich set of research problems that require solving to truly realize the benefits of intelligent infrastructures along four foundational areas. Schulzrinne discussed the need for resiliency and adaptability in these sorts of systems, the ability of the infrastructure to cope with extreme or unexpected circumstances — for example, when wireless communications are subject to natural disasters on the scope of Hurricane Maria that devastated Puerto Rico. He noted the lessons we are learning from Maria — which knocked out 95 percent of all cell sites and many telephone switches — point to the need for more resilient communications infrastructures. “Research is needed to develop and prototype novel networking architectures that support a minimal level of communications, for example, using pre-deployed mesh and opportunistic solar-powered store-and-forward networks, for both first responders and the public. Self-configuring ‘autonomic’ networks can recover capabilities without the need for experts.”

The CCC still continues to monitor this space: an update to the National Research Agenda for Intelligent Infrastructure white paper was published in early 2021. The update—written by CCC Vice Chair Daniel Lopresti (Lehigh University) and Shashi Shekhar (University of Minnesota)—argues: “Strategic, sustained Federal investments in intelligent infrastructure will increase safety and resilience, improve efficiencies and civic services, and broaden employment opportunities and job growth nationwide. The technologies that comprise intelligent infrastructure can also provide keys to solving some of the most vexing challenges we face today, including confronting future pandemics and natural disasters, achieving sustainability and energy efficiency goals, and advancing social justice. Enabling those technologies effectively will require investment in the associated computing research as well, beyond and in concert with the basic building projects.” (p. 1).

Lopresti and Shekhar will host a scientific session titled Intelligent Infrastructure For All: Challenges and Opportunities at the American Association for the Advancement of Science (AAAS) 2022 Annual Meeting. The session, taking place Friday, February 18, 2022 will provide an overview of several compelling opportunities for intelligent infrastructure. Learn more about the panel here and register to attend the AAAS Annual Meeting here.

Learn more about the past work of the CCC’s Intelligent Infrastructure task force on its webpage and find more CCC content related to IoT and ubiquitous computing here. Hopefully, we will continue to see members of the computing research community meaningfully engage in this space. You can also read more about the recently passed bill and its potential impacts on the research community on the CRA Policy Blog.
2021 Highlights

**By CCC Staff**

The *Computing Community Consortium* (CCC), like the rest of the world, continued to adapt and restructure our activities due to the COVID-19 pandemic. Despite the unique issues this year brought, with the help of the computing research community, we were able to continue making an impact and provide support. Some highlights from the year are described below; please see our website for more details, as well as plans and opportunities for new activities in the coming new year.

In spring of 2021, the *Computing Research Association* (CRA), with strong support from the *National Science Foundation* (NSF), announced a new *Computing Innovation Fellows* (CIFellows) cohort for 2021. As before, this program aids recent and soon-to-be PhD computing graduates whose job search was hampered by the continued disruption COVID-19 has had on academic job hiring practices and the economy. The 2021 class of CIFellows is composed of 69 diverse researchers – 52% of whom are women – coming from 49 universities, and beginning their CIFellowships at 48 different universities. You can find out more about each CIFellow [here](#).

We held two research visioning workshops this year, one virtual and one hybrid:

- **The CCC Hybrid Workshop on Best practices for Hybrid Workshops (hybrid)**
- **Artificial Intelligence/Operations Research Workshop (virtual)**

We would like to give a special thank you to all CCC workshop participants, organizers, white paper authors, and—most importantly—the CCC Council members. It has been a challenging year, but we managed to get important and critical work done and share it with the computing research community. Here’s to a productive, peaceful, and healthy 2022.

Stay safe, everyone.
Senior Program Associate Khari Douglas Leaves the CCC

Senior Program Associate Khari Douglas is leaving the CRA and the Computing Community Consortium (CCC) after six years. After graduating from the Johns Hopkins University in 2015, Douglas began working for the CCC as a Program Associate, quickly proving himself an essential asset and becoming a Senior Program Associate in 2019.

During his time with the CCC, Douglas made a lasting impact on the organization running countless workshops, supporting members of the council, acting as the unofficial IT person, and revamping and maintaining the CCC website for clearer communications with the community. One of his greatest contributions was taking the initiative to start a podcast, ‘Catalyzing Computing’ where he interviewed members of the computing research community and provided the opportunity for all to get to know researchers and their work on a more personal level.

Khari will be pursuing his passion for podcasting in his new position on the editing team of the National Geographic podcast ‘Overheard at National Geographic’. His episodes of Catalyzing Computing will still be available for listening on Youtube or Soundcloud.

We wish Khari luck in his new position and thank him for all his hard work on behalf of the computing research community!
CCC Program Associate Position Openings

Help Enable the Future of Computing Research – Join CRA as a Program Associate

The Computing Research Association (CRA) seeks two highly-motivated individuals to join its staff as Program Associate or Senior Program Associate (depending on qualifications and experience). The positions involve work primarily with CRA’s Computing Community Consortium (CCC) subcommittee, which aims to catalyze the computing research community to pursue innovative, high-impact research. The CCC is run as a cooperative agreement between the National Science Foundation (NSF) and CRA.

Each position works closely with the Director of the CCC, the CRA staff, CCC Council members and members of the computing research community to ensure that the mission objectives of CRA and CCC are achieved in a timely and high-quality fashion. CCC Council members represent some of the brightest minds in computing research, helping set research directions and visions for the field and federal agencies that support it. Both positions will play a role in enabling that visioning.

The positions require an ability to execute on assigned tasks of varying complexity in a timely, on-deadline manner, often with significant autonomy. Creativity, organization, strong interpersonal and communications skills, time management, attention to detail, technical proficiency with CCC tools, and sound judgment are vital to success in these roles.

Senior Program Associate

The Senior Program Associate is responsible for writing, editing, and producing the majority of CCC communications for the computing research community, which includes white papers, visioning workshop reports, CCC proposals, blogs, language on the website, and social media content. This requires a general knowledge of computer science research and an ability to achieve a deep understanding of the various technical “hot topics” in computer science research that make up the CCC Task Forces.

The position also requires interactions with CCC constituents, including members of the research community and policy makers, to help foster a better understanding of CCC activities and provide CCC and CRA with a better understanding of the needs of its constituency.

The ideal candidate will also have strong familiarity with Federal science agencies – particularly NSF – and understanding of the merit review process. The candidate should have a clear understanding of how the research community works and be able to convey accurate, timely, and useful information to them. Because CCC is established as a cooperative agreement between NSF and CRA, having an understanding of how NSF operates and supports the community will be very important to the success of the candidate in this position.

This position reports to the Director of CCC.

Tasks include, but are not limited to:

- Communications, Outreach and Engagement – Creating content on our social media accounts and blog to keep our community well-informed; updating and maintaining the CCC website; drafting and editing workshop reports and white papers for the community; and managing CCC’s report library (virtual and hard copy).
- Workshop Coordination – Managing aspects of workshop planning, execution, and follow through, which may include: managing correspondence with participants, scheduling calls with activity organizers, developing surveys for the workshop participants and analyzing their data, taking notes during workshops, and handling some logistical functions in support of the workshop.
- Supporting the CCC Mission – Includes working with Council members to support their participation in CCC activities and representing CCC at relevant policy/research meetings in the DC area.
The Senior Program Associate must have a Master’s degree in a science or technology field. Technical training in computer science or engineering is not required. The ideal candidate will have previous work experience and knowledge of the computing research community. An ability to travel to meetings, workshops, and conferences is required.

Program Associate

The Program Associate supports the mission of CCC with a focus on administrative and logistical matters, such as planning for meetings, visioning workshops, outreach activities, and committee support. The position also requires interactions with CCC constituents, including members of the research community and policy makers, to help those constituents engage with CCC effectively.

The position reports to the Director of CCC.

Tasks include, but are not limited to:

• Workshop Coordination – Managing aspects of workshop planning, execution and follow through, which may include: managing participant lists, invites and event registration (using CVENT, G Suite, and/or Wufoo); facilitating the reimbursement process for participants; managing correspondence with participants; scheduling calls with organizers; taking notes during workshops; and other logistical functions in support of the workshop.

• Communications Outreach and Engagement – Maintaining the CCC website, posting content for the CCC blog, helping manage CCC social media, helping manage CCC’s report library (virtual and hard-copy), and supporting Council members engaged in CCC activities.

The Program Associate must have a bachelor’s degree. A degree in a science, technology, or policy field is preferred, but not required. Background/experience in computing is not necessary, but a willingness to broaden one’s awareness of the field is a must. An ability to travel to meetings, workshops, and conferences is required.

Both positions are full-time. CRA offers a very competitive compensation and benefits package, flexible telework accommodations, and opportunities for professional development.

CRA is a 501c3 non-profit and is an equal opportunity employer. Interested candidates for either position must email a cover letter and resume to employment@cra.org to be considered.
NCWIT Nominations Open for Distinguished Faculty Members, Educators, and Staff

The NCWIT Academic Alliance recently announced that nominations are open for two NCWIT Higher Education Recognitions:

- the **Joanne McGrath Cohoon Service Award** - Nominations close January 23
- the **Harrold and Notkin Research and Graduate Mentoring Award** - Nominations close February 20

**NCWIT Joanne McGrath Cohoon Service Award**
The NCWIT Joanne McGrath Cohoon Service Award honors distinguished educators and staff who have effectively challenged and changed the systems that shape the experiences of women undergraduates in postsecondary computing programs. Winning nominees demonstrate exceptional commitment to and success in creating long-lasting systemic change that improves the environment for all students who identify as women. The award is given in memory of Dr. Cohoon’s outstanding research and advocacy work to broaden and enrich women’s participation in computing.

Do you know a faculty or staff member who deserves this $10,000 award? Complete the simple nomination form online. (Self-nominations are perfectly acceptable too.) Nominations close January 23.

The Joanne McGrath Cohoon Award is sponsored by AT&T.

**NCWIT Harrold and Notkin Research and Graduate Mentoring Award**
The NCWIT Harrold and Notkin Research and Graduate Mentoring Award is given in memory of Mary Jean Harrold and David Notkin, in honor of their outstanding research, graduate mentoring, and diversity contributions. The award recognizes faculty members from non-profit, U.S. institutions (including U.S. territories) who combine outstanding research accomplishments with excellence in graduate mentoring, as well as those who advocate for recruiting, encouraging, and promoting women and minorities in computing fields at both a local and national level.

Do you know someone who deserves this $10,000 award? Read the details of what information you will need to gather, and then submit the nomination materials on their behalf. Nominations close February 20.

The Harrold and Notkin Research and Graduate Mentoring Award is sponsored by the NCWIT Board of Directors.
CRA Board of Directors
Alex Aiken, Stanford University
James Allan, University of Massachusetts, Amherst
Nancy Amato, University of Illinois, Urbana-Champaign
Cindy Bethel, Mississippi State University
Liz Bradley, University of Colorado at Boulder
Carla Brodley, Northeastern University
Lorrie Cranor, Carnegie Mellon University
Leila De Floriani, University of Maryland
Eric de Sturler, Virginia Tech
Sandhya Dwarkadas, University of Rochester
Stephanie Forrest, Arizona State University
Diana Franklin, University of Chicago
Dan Grossman, University of Washington
Mary Hall, University of Utah
Kim Hazelwood, Facebook AI Research
Ayanna Howard, Ohio State University
Charles Isbell, Georgia Tech
Arvind Krishnamurthy, University of Washington
Kate Larson, University of Waterloo
Ran Libeskind-Hadas, Claremont McKenna College
Fatma Özcan, Google
Timothy Pinkston, University of Southern California
Lori Pollock, University of Delaware
Rachel Pottinger, University of British Columbia
Chris Ramming, VMWare
Penny Rheingans, University of Maine
Vivek Sarkar, Georgia Tech
Eve Schooler, Intel
Shashi Shekhar, University of Minnesota
Forrest Shull, Carnegie Mellon University
Katie Siek, Indiana University Bloomington
Divesh Srivastava, AT&T Labs-Research
Jaime Teevan, Microsoft/University of Washington
Marvin Theimer, Amazon
Alexander Wolf, University of California, Santa Cruz

CRA Executive Committee
Nancy Amato, Chair
Dan Grossman, Vice Chair
James Allan, Treasurer
Ran Libeskind-Hadas, Secretary
Jaime Teevan, Appointed Member

CRA Staff
Nicole Beck, Reimbursement Specialist
Betsy Bizot, Senior Research Associate
Daniela Cárdenas, Senior Program Associate
Sandra Corbett, Senior Administrator for Events Management
Ann Schwartz Drobnis, Director, CCC
Alejandra Guzman, Senior Program Associate
Jill Hallden, Senior Grant Specialist
Peter Harsha, Interim Executive Director, Senior Director of Government Affairs
Maddy Hunter, Program Associate, CCC
Sabrina Jacob, Senior Administrator for Membership and Advertising
Kristi Kelly, Senior Research Associate
Roohea Meer, Program Assistant, CERP
Brian Mosley, Senior Policy Analyst
Elyse Okwu, Program Associate, CRA-WP
Taniya Ross-Dunmore, Research Assistant, CERP
Erik Russell, Director of Programs
Shar Steed, Senior Communications Specialist
Burçin Tamer, Director, CERP
Heather Wright, Associate Director, CERP
Helen Wright, Senior Program Associate, CRA-Industry
Evelyn Yarzebinski, Senior Research Associate, CERP

Column Editors
Expanding the Pipeline
Soha Hassoun, Tufts University
Patty Lopez, New Mexico State University
Alfred University

Assistant Professor of Computer Science

Alfred University invites applications for a tenure-track position in Computer Science at the Assistant Professor level beginning August 2022. The individual hired for this position will be given the opportunity to make significant contributions to the development of an emergent computer science major.

For details about qualifications, responsibilities, application materials, and Alfred University’s equal employment opportunity policy, please visit https://www.alfred.edu/jobs-at-alfred/index.cfm.

Arizona State University

Assistant/Associate/Full, Tenured/ Tenure Track Faculty Position in Applied Computing

Open Rank Tenure Track Faculty Position of Applied Computing, School of Mathematical and Natural Sciences, Arizona State University. The school is seeking a full-time open rank tenure track faculty position beginning August 2022. Applicants should have a record of research in computer science, teaching undergraduate courses, and success at forging interdisciplinary collaborations. The school embraces the ideal of a fully inclusive and welcoming STEM community and seek candidates who will create a climate that attracts and supports the success of students of all races, nationalities and genders.
Arizona State University

Professor (all ranks) in Cybersecurity of Next-Generation Computing

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) and the School of Computing and Augmented Intelligence seek applicants for tenure-track or tenured faculty positions in the area of Cybersecurity. The School of Computing and Artificial Intelligence, one of the seven Fulton Schools, houses a vibrant and diverse engineering research community (learn more at https://research.engineering.asu.edu/). We seek applicants who complement our abilities in these areas to solve grand challenges as part of a community of experts. The area of interest is system security with a special focus on hardware. Topics include, but are not limited to: security of embedded devices; microarchitectural security; hardware security primitives (Physical Unclonable Function (PUF), Random Number Generator (RNG), etc.); cryptosystems design; detection and prevention of hardware Trojans; side-channel attacks; Internet of Things security and privacy; wearable device security; cyber-physical systems (CPS) security and safety; robustness and security of energy harvesting (EH) systems and other emerging computing paradigms.

We seek applicants who will contribute to our academic programs, promote transdisciplinary teaching and research, and help the University to achieve its aspirations, including enabling student success, transforming society, valuing entrepreneurship and conducting use-inspired research. Faculty members in the Fulton Schools are expected to develop an internationally recognized and externally funded research program, adopt effective pedagogical practices in the development and delivery of graduate and undergraduate courses, advise both undergraduate and graduate student research and projects and undertake service activities.

This search is part of ASU’s engagement with the Arizona’s New Economy Initiative (NEI), a bold effort to ensure that Arizona leads the new economy that will rely on engineering, computing and technology to drive sustainable growth, resilience and opportunities for all. NEI investments in the Fulton Schools of Engineering will grow our world class faculty to accelerate research outcomes and to broaden student access to our programs, will establish Science and Technology Centers to foster the growth of new economy Industries, and will expand experiential learning and workforce training opportunities.

Appointment will be at the Assistant, Associate, or Full Professor rank commensurate with the candidate’s experience and accomplishments, beginning August 2022. Although the tenure home may be in any of the Ira A. Fulton Schools of Engineering, the School of Computing and Augmented Intelligence is currently the most involved in the interest of this research.

Qualifications

Required qualifications:

• Earned doctorate in Computer Science or Computer Engineering or related discipline by the time of appointment
• Evidence of excellence in research, as appropriate to the candidate’s rank; and
• Evidence of excellence in teaching, as appropriate to the candidate’s rank

Desired qualifications:

• Demonstrated commitment to a collaborative, transdisciplinary approach to research and teaching
• Commitment to teaching at both the graduate and undergraduate levels
• Strong record of publications in top-tier venues
• Potential for establishing an externally funded research program, and
• A strong commitment to a research program with high societal impact.

Application Instructions

Application deadline is December 30, 2021. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled.

To apply, visit https://hiring.engineering.asu.edu/ and select “apply now” next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:
Professional Opportunities

- Cover letter
- Curriculum Vitae
- Statement describing research interests (two pages maximum)
- Statement describing teaching interests and philosophy (two pages maximum)
- Statement describing commitment and approaches to advance Diversity, Equity, Inclusion and Belonging*
- Contact information for three references

*The ASU Charter states, “ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves.” The Fulton Schools of Engineering are dedicated to continuous innovation, student success, faculty excellence, and cultivation of an environment that is diverse, equitable, inclusive and promotes belonging. The diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, inclusion and belonging and how future activities will align with upholding the ASU Charter.

For additional information regarding position specifics, please contact the search committee chair, Professor Michel A. Kinsy via email at mkinsy@asu.edu.

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

(See https://www.asu.edu/aad/manuals/acd/acd40l.html and https://www.asu.edu/titleix/)

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU’s Annual Security and Fire Safety Report is available online at https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Arizona State University

Professor (all ranks) in Cybersecurity, Computation, and Consensus

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) and the School of Computing and Augmented Intelligence (SCAI) seek applicants for tenure-track or tenured faculty positions in the area of Cybersecurity. The School of Computing and Augmented Intelligence, one of the seven Fulton Schools, houses a vibrant and diverse engineering research community (Learn more at https://research.engineering.asu.edu). We seek applicants who complement our abilities in these areas to solve grand challenges as part of a community of experts. Particular areas of interest include, but are not limited to: autonomous cybersecurity techniques and approaches; the robustness, security, and resilience of complex systems, distributed systems, and networks; security and robustness of expert systems and Machine Learning techniques; formal methods in security; secure distributed consensus; distributed cybersecurity approaches; privacy; theory and applications of cryptography; secure distributed learning; game-theoretic approaches to cybersecurity; secure multiparty computation, data management, and cryptography; the distributed Internet of Things; and other emerging areas of cybersecurity.

We seek applicants who will contribute to our academic programs, promote transdisciplinary teaching and research, and help the University to achieve its aspirations, including enabling student success, transforming society, valuing entrepreneurship and conducting use-inspired research. Faculty members in the Fulton Schools are expected to develop an internationally recognized and externally funded research program, adopt effective pedagogical practices in the development and delivery of graduate and undergraduate courses, advise both undergraduate and graduate student research and projects and undertake service activities.

This search is part of ASU’s engagement with the Arizona’s New Economy Initiative (NEI), a bold effort to ensure that Arizona leads the new economy that will rely on engineering, computing and technology to drive sustainable growth, resilience and opportunities for all. NEI
investments in the Fulton Schools of Engineering will grow our world class faculty to accelerate research outcomes and to broaden student access to our programs; will establish Science and Technology Centers to foster the growth of new economy Industries; and will expand experiential learning and workforce training opportunities.

Appointment will be at the Assistant, Associate, or Full Professor rank commensurate with the candidate’s experience and accomplishments, beginning August 2022. Although the tenure home may be in any of the Ira A. Fulton Schools of Engineering, the School of Computing and Augmented Intelligence is currently the most involved in the interest of this research.

Required qualifications:

- Earned doctorate in Computer Science or related discipline by the time of appointment
- Evidence of excellence in research, as appropriate to the candidate’s rank; and
- Evidence of excellence in teaching, as appropriate to the candidate’s rank

Desired qualifications:

- Demonstrated commitment to a collaborative, transdisciplinary approach to research and teaching
- Commitment to teaching at both the graduate and undergraduate levels
- Strong record of publications in top-tier venues
- Potential for establishing an externally funded research program, and
- A strong commitment to bringing about real-world impact as a result of the candidate’s research
- Prior instructional experience with or passion for teaching innovations, including all aspects of digital delivery

Application Instructions

Application deadline is December 30, 2021.

Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled. To apply, visit https://hiring.engineering.asu.edu/ and select “apply now” next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:

- Cover letter
- Curriculum Vitae
- Statement describing research interests (two pages maximum)
- Statement describing teaching interests and philosophy (two pages maximum)
- Statement describing commitment and approaches to advance Diversity, Equity, Inclusion and Belonging*
- Contact information for three references

*The ASU Charter states, “ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves.” The Fulton Schools of Engineering are dedicated to continuous innovation, student success, faculty excellence, and cultivation of an environment that is diverse, equitable, inclusive and promotes belonging. The diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, inclusion and belonging and how future activities will align with upholding the ASU Charter.

For additional information regarding position specifics, please contact the search committee chair, Professor Yan Shoshitaishvili via email at yans@asu.edu.

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

(See https://www.asu.edu/aad/manuals/acd/acd401.html and https://www.asu.edu/titleIX/)

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU’s Annual Security and Fire Safety Report is available online at https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.
Arizona State University

Professor (all ranks) in Human Robot Interaction and Human Robot Teaming

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) and the School of Computing and Augmented Intelligence seek applicants for a tenure-track or tenured faculty position in the area of Human-Robot Interaction (HRI) or Human-Robot Teaming. The School of Computing and Augmented Intelligence, one of the seven Fulton Schools, includes faculty working on a variety of topics such as robotics, optimization, natural language processing, computer vision, automated planning, knowledge representation, machine learning and cybersecurity. We seek applicants who complement our abilities in these areas to solve grand challenges as part of a community of experts. Particular areas of interest include, but are not limited to, collaborative robotics, physical human-robot interaction, human activity and motion modeling, machine learning and deep learning for HRI, game theory and information theory for HRI, human-in-the-loop reasoning and learning, explainability and interpretability of collaborative behavior, relational reasoning and interaction modeling, social robotics, human-robot swarms and teams, language models for interaction, mental models and theory of mind for HRI. Successful applicants will join a thriving robotics community at ASU with more than 25 dedicated faculty, a graduate program in Robotics and Autonomous Systems, and strong interdisciplinary collaborations. Learn more at: https://research.engineering.asu.edu/

We seek applicants who will contribute to our academic programs, promote interdisciplinary teaching and research, and help the University to achieve its aspirations, including enabling student success, transforming society, valuing entrepreneurship and conducting use-inspired research. Faculty members in the Fulton Schools are expected to develop an internationally recognized and externally funded research program, adopt effective pedagogical practices in the development and delivery of graduate and undergraduate courses, advise both undergraduate and graduate student research and projects and undertake service activities.

This search is part of ASU’s engagement with the Arizona’s New Economy Initiative (NEI), a bold effort to ensure that Arizona leads the new economy that will rely on engineering, computing and technology to drive sustainable growth, resilience and opportunities for all. NEI investments in the Fulton Schools of Engineering will grow our world class faculty to accelerate research outcomes and to broaden student access to our programs, will establish Science and Technology Centers to foster the growth of new economy Industries, and will expand experiential learning and workforce training opportunities.

Appointment will be at the Assistant, Associate and Full Professor rank commensurate with the candidate’s experience and accomplishments, beginning August 2022. Although the tenure home may be in any of the Ira A. Fulton Schools of Engineering, the School of Computing and Augmented Intelligence is currently the most involved in the interest of this research.

Qualifications

Required qualifications:

- Earned doctorate in Computer Science or closely related discipline by the time of appointment
- Evidence of excellence in research, as appropriate to the candidate’s rank; and
- Evidence of excellence in teaching, as appropriate to the candidate’s rank

Desired qualifications:

- Demonstrated commitment to a collaborative, transdisciplinary approach to research and teaching
- Track record in conducting real-world experiments involving robots and human participants
- Record of acquiring external funding and publication in top-tier journals/conferences as appropriate to the candidate’s rank.

Application Instructions

Application deadline is January 8, 2022. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled.

To apply, visit https://hiring.engineering.asu.edu/ and select “apply now” next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:
Professional Opportunities

- Cover letter
- Curriculum Vitae
- Statement describing research interests (two pages maximum)
- Statement describing teaching interests and philosophy (two pages maximum)
- Statement describing commitment and approaches to advance Diversity, Equity, Inclusion and Belonging*
- Contact information for three references

*The ASU Charter states, “ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves.” The Fulton Schools of Engineering are dedicated to continuous innovation, student success, faculty excellence, and cultivation of an environment that is diverse, equitable, inclusive and promotes belonging. The diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, inclusion and belonging and how future activities will align with upholding the ASU Charter.

For additional information regarding position specifics, please contact the search committee chair, Professor Heni Ben Amor via email at hbenamor@asu.edu

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

(See https://www.asu.edu/aad/manuals/acd/acd401.html and https://www.asu.edu/titleIX/)

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU’s Annual Security and Fire Safety Report is available online at https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Arizona State University
Professor (all ranks) in Human Computer Interaction

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) and the School of Computing and Augmented Intelligence seek applicants for a tenure-track or tenured faculty position at the intersection of Human Computer Interaction, Cognitive Science and Artificial Intelligence. The School of Computing and Augmented Intelligence (SCAI), one of the seven Fulton Schools, houses a vibrant faculty working on a variety of topics such as visualization, cybersecurity, and various aspects of Artificial Intelligence (AI) that include knowledge representation and reasoning, automated planning, machine learning, data mining, natural language processing, computer vision, robotics, and intelligent tutoring systems. We seek applicants who complement our abilities in these areas to solve grand challenges as part of a community of experts. Particular areas of interest include, but are not limited to, human computer interaction, human-AI teaming, human-centered approaches to trustworthy AI, embodied cognition, visual cognition, semantics in language, meaning in vision and action, information visualization, and tangible user interfaces. Successful applicants will join a thriving community at ASU housed under SCAI with multiple graduate programs, and strong interdisciplinary collaborations. Learn more at: https://research.engineering.asu.edu/

We seek applicants who will contribute to our academic programs, promote transdisciplinary teaching and research, and help the University to achieve its aspirations, including enabling student success, transforming society, valuing entrepreneurship and conducting use-inspired research. Faculty members in the Fulton Schools are expected to develop an internationally recognized and externally funded research program, adopt effective pedagogical practices in the development and delivery of graduate and undergraduate courses, advise both undergraduate and graduate student research and projects and undertake service activities.

This search is part of ASU’s engagement with the Arizona’s New Economy Initiative (NEI), a bold effort to ensure that Arizona leads the new economy that
will rely on engineering, computing and technology to drive sustainable growth, resilience and opportunities for all. NEI investments in the Fulton Schools of Engineering will grow our world class faculty to accelerate research outcomes and to broaden student access to our programs; will establish Science and Technology Centers to foster the growth of new economy Industries; and will expand experiential learning and workforce training opportunities.

Appointment will be at the Assistant, Associate and Full Professor rank commensurate with the candidate’s experience and accomplishments, beginning August 2022. Although the tenure home may be in any of the Ira A. Fulton Schools of Engineering, the School of Computing and Augmented Intelligence is currently the most involved in the interest of this research.

Qualifications

Required qualifications:
• Earned doctorate in Computer Science or related discipline by the time of appointment
• Evidence of excellence in research, as appropriate to the candidate’s rank; and
• Evidence of excellence in teaching, as appropriate to the candidate’s rank

Desired qualifications:
• Demonstrated commitment to a collaborative, transdisciplinary approach to research and teaching
• Record of acquiring external funding and publication in top-tier journals/conferences as appropriate to the candidate’s rank
• Commitment to teaching at both the graduate and undergraduate levels
• A strong commitment to a research program with high societal impact

Application Instructions

Application deadline is January 8, 2022. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled.

To apply, visit https://hiring.engineering.asu.edu/ and select “apply now” next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:
• Cover letter
• Curriculum Vitae
• Statement describing research interests (two pages maximum)
• Statement describing teaching interests and philosophy (two pages maximum)
• Statement describing commitment and approaches to advance Diversity, Equity, Inclusion and Belonging*
• Contact information for three references

*The ASU Charter states, “ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves.” The Fulton Schools of Engineering are dedicated to continuous innovation, student success, faculty excellence, and cultivation of an environment that is diverse, equitable, inclusive and promotes belonging. The diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, inclusion and belonging and how future activities will align with upholding the ASU Charter.

For additional information regarding position specifics, please contact the search committee chair, Professor Chitta Baral via email at chitta@asu.edu.

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU’s Annual Security and Fire Safety Report is available online at https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.
Arizona State University

Professor (all ranks) in Secure Artificial Intelligence (AI)

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) and the School of Computing and Augmented Intelligence seek applicants for a tenure-track or tenured faculty position in the areas of Secure Artificial Intelligence (AI), AI for Social Good, and Fairness in AI.

The School of Computing and Augmented Intelligence, one of the seven Fulton Schools, houses a vibrant Artificial Intelligence, Cybersecurity, Machine Learning (ML), Data Science, Visualization, and Operations Research engineering research community (learn more at https://research.engineering.asu.edu/).

We seek applicants who complement our abilities in these areas to solve grand challenges as part of a community of experts. Particular areas of interest include, but are not limited to, secure and resilient AI, deterring adversarial attacks in AI/ML, interpretable and explainable AI, protecting AI from social engineering and dataset tampering attacks (bias recognition in data), discerning maliciously-introduced data, AI model attribution, AI for forensic science, privacy-preserving AI, and AI applications for social good (disaster prediction, anti-crime, disease tracking, and improving the lives of people at large).

We seek applicants who will contribute to our academic programs, promote transdisciplinary teaching and research, and help the University to achieve its aspirations, including enabling student success, transforming society, valuing entrepreneurship and conducting use-inspired research. Faculty members in the Fulton Schools are expected to develop an internationally recognized and externally funded research program, adopt effective pedagogical practices in the development and delivery of graduate and undergraduate courses, advise both undergraduate and graduate student research and projects and undertake service activities.

This search is part of ASU’s engagement with the Arizona’s New Economy Initiative (NEI), a bold effort to ensure that Arizona leads the new economy that will rely on engineering, computing and technology to drive sustainable growth, resilience and opportunities for all. NEI investments in the Fulton Schools of Engineering will grow our world class faculty to accelerate research outcomes and to broaden student access to our programs, will establish Science and Technology Centers to foster the growth of new economy Industries; and will expand experiential learning and workforce training opportunities.

Appointments will be at the Assistant, Associate and Full Professor rank commensurate with the candidate’s experience and accomplishments, beginning August 2022. Although the tenure home may be in any of the Ira A. Fulton Schools of Engineering, the School of Computing and Augmented Intelligence is currently the most involved in the interest of this research.

Qualifications

Required qualifications:

• Earned doctorate in Computer Science, Computer Engineering, Data Science and Operation Research or related disciplines by the time of appointment
• Evidence of excellence in research, as appropriate to the candidate’s rank
• Evidence of excellence in teaching, as appropriate to the candidate’s rank

Desired qualifications:

• Demonstrated commitment to a collaborative, transdisciplinary approach to research and teaching
• Record of acquiring external funding and publication in top-tier journals/conferences as appropriate to the candidate’s rank
• A commitment to participating on and leading transdisciplinary teams addressing problems of high societal impact
• A track record of such external collaboration activities which include, but are not limited to, social scientists/workers, medical researchers, law enforcement agencies, and local governments

Application Instructions

The application deadline is January 10, 2022. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled. To apply, visit https://hiring.engineering.asu.edu/ and select “apply
now” next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:

- Cover letter
- Curriculum Vitae
- Statement describing research interests (two pages maximum)
- Statement describing teaching interests and philosophy (two pages maximum)
- Statement describing commitment and approaches to advance Diversity, Equity, Inclusion and Belonging*
- Contact information for three references

The ASU Charter states, “ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves.” The Fulton Schools of Engineering are dedicated to continuous innovation, student success, faculty excellence, and cultivation of an environment that is diverse, equitable, inclusive and promotes belonging. The diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, inclusion and belonging and how future activities will align with upholding the ASU Charter.

For additional information regarding position specifics, please contact the search committee chair, Professor ‘YZ’ Yezhou Yang via email at yzyang@asu.edu.

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. (See https://www.asu.edu/aad/manuals/acd/acd401.html and https://www.asu.edu/titleix/) In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU’s Annual Security and Fire Safety Report is available online at https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Auburn University

Department of Computer Science and Software Engineering

Multiple Faculty Positions

The Department of Computer Science and Software Engineering (CSSE), situated within the Samuel Ginn College of Engineering, invites applications for multiple tenure-track faculty positions. We seek candidates at the Assistant Professor level, although outstanding candidates at a senior level will also be considered. Salary will be commensurate with the candidate’s qualifications. Responsibilities include research, graduate student supervision, graduate and undergraduate teaching, and service. A Ph.D. degree in computer science, software engineering, or a closely related field must be completed by the start of appointment. Applicants must have the potential to develop a vigorous externally funded research program and a commitment to teaching.

Applications from candidates with expertise in any area of computer science will be considered. However, our focus areas are Artificial Intelligence (AI: including all subfields such as computer vision, machine learning, natural language processing, etc.), Computer & Software Systems (broadly defined to include advanced architectures, compilers, operating systems, programming languages, software environments, etc.), Cybersecurity, Data Science, Human-Computer Interaction (HCI), and Software Engineering (SE). We are especially interested in candidates who work at the intersection of two focus areas, such as AI & Cybersecurity, HCI & AI, HCI & Cybersecurity, Systems & AI, Systems & Cybersecurity, SE & AI, SE & HCI, or SE & Cybersecurity, and Systems candidates with an ability to teach SE courses at the undergraduate and graduate levels. We welcome applications from women, couples, and those belonging to underrepresented groups in computer science.

CSSE is home to the Auburn Cyber Research Center (http://cyber.auburn.edu), and is affiliated with the McCrary Institute for Cyber and Critical Infrastructure Security (http://mccrary.auburn.edu). The department currently has a
diverse and international tenure-track, teaching, and research faculty of over thirty, who support a dynamic research enterprise and strong undergraduate and graduate programs (M.S. in CSSE, M.S. in Cybersecurity Engineering, M.S. in Data Science & Engineering, and Ph.D. in CSSE). Current student enrollment is over 1200 undergraduate and over 200 graduate students. Further information may be found at the department’s home page http://www.eng.auburn.edu/csse.

CSSE is the highest ranked computer science department in Alabama, fourth among SEC schools, a top-50 department at a public university, and among the top 15% of all departments in the nation according to the latest rankings from U.S. News and World Report. It was one of the first computer science departments in the country to offer an ABET accredited undergraduate degree in software engineering. Auburn University is one of the nation’s premier public land, sea, and space-grant institutions. As a Carnegie R1 research university, Auburn maintains high levels of research activity as well as high standards for teaching excellence, offering Bachelor’s, Master’s, Educational Specialist, and Doctor’s degrees in agriculture and engineering, the professions, and the arts and sciences. The University is nationally recognized for its commitment to academic excellence, its positive work environment, its student engagement, and its beautiful campus.

Auburn residents enjoy a thriving community, recognized as one of the “best small towns in America,” with moderate climate and easy access to major cities or to beach and mountain recreational facilities. Situated along the rapidly developing I-85 corridor between Atlanta (GA) and Montgomery (AL), the combined Auburn-Opelika-Columbus statistical area has a population of over 500,000, with excellent public school systems and regional medical centers. More information on faculty and community life at Auburn may be found at http://www.auburn.edu/academic/provost/facultyjobs/

Applicants should submit a cover letter, curriculum vita, research vision, teaching philosophy, and names of three to five references at https://www.auemployment.com/postings/25633. There is no application deadline. The application review process will begin January 1, 2022 and continue until successful candidates are identified. All applications will be considered, but applications received by January 1, 2022 will receive earliest consideration.

The successful candidate must meet eligibility requirements for work in the United States at the time the appointment is scheduled to begin and continue working legally for the term of employment. Auburn University is understanding of and sensitive to the family needs of faculty, including dual-career couples; is an EEO/Vet/Disability Employer, and committed to building an inclusive and diverse community.

**Barnard College**

**Assistant Professor in Computer Science**

Barnard College invites applications for a tenure-track assistant professor in Computer Science to start July 1, 2022. Barnard faculty are expected to engage in teaching, research, curriculum and program development, undergraduate advising, and mentoring of undergraduate research. There is opportunity to collaborate with faculty and students at both Barnard and at Columbia. The position is open to all areas of computer science as well as to multidisciplinary scholars with a significant computational focus. We encourage candidates who take a multidisciplinary approach, whether across multiple subareas of computer science, or with research connections to another discipline. Candidates must have a Ph.D. in Computer Science or a related discipline, and should have a promising research agenda and record of scholarship, as well as a demonstrated commitment to undergraduate teaching, mentoring, and increasing diversity in computer science.


**Boston College**

**Non-Tenure Track Teaching Position in Computer Science**

The Computer Science Department of Boston College is seeking to fill a teaching position, with the title of Visiting Assistant Professor, beginning in the Fall of 2022. All applicants should be committed to excellence in undergraduate education, and be able to teach a broad variety of undergraduate computer science courses. Candidates are expected to have a Ph.D. in Computer Science or a closely related discipline and to have demonstrated excellence in teaching. The position is for the Fall of 2022 with the potential for renewal for up to three years.

Applicants should send a cover letter, curriculum vitae, and teaching statement to computer-science-search@bc.edu. Applications should be submitted by January 1, 2022. The search will continue until the position is filled, but all applications will receive earliest consideration.
Professional Opportunities

Boston College

Postdoctoral Research Fellow, Computer Science

This position is under Professor Ilya Volkovich. The candidate will be working in the area of algebraic complexity to design efficient algorithms for algebraic problems.

• Develops, designs, and conducts one or more research projects or experiments; reviews progress and evaluates results.

• Formulates research methods and suggests options for improving quality; identifies potential problems, recommends and implements solutions, and collaborates in the development of new techniques; and works with other research staff, including Senior Research Associates.

• In a lab environment, trains users in equipment operation and laboratory techniques; explains and demonstrates technology and equipment capabilities, operations, limitations, and outcomes.

• In a non-lab environment, develops protocols and criteria (e.g., determines interview procedures, including the development of interview schedules and questionnaires, online data collection, test development, and development of measures) and approves protocols, as appropriate.

• Participates in data collection and screening and verifies accuracy of the data.

• Participates in analysis of data; interprets and implements research methodology based on outcomes of analysis.

• Oversees the day to day operations of the project; may supervise other research personnel and manage a budget.

• May author/co-author publications and may present/co-present results at meetings or conferences.

• Participates in data collection and screening and verifies accuracy of the data.

• Participates in analysis of data; interprets and implements research methodology based on outcomes of analysis.

• Oversees the day to day operations of the project; may supervise other research personnel and manage a budget.

• May apply for research grants and serve as PI, with necessary approvals.

Requirements:

Degree Requirement: Ph.D. or equivalent doctorate (e.g., Sc.D., M.D.) in an appropriate field, specifically Theoretical Computer Science

Experience: Minimum of 1 year of post-Master’s and/or Ph.D. research experience

To apply go to: apply.interfolio.com/99962

Boston College conducts background checks as part of the hiring process. Information about the University and our department is available at bc.edu and cs.bc.edu.

Boston University

Assistant Professor

The Department of Computer Science at Boston University invites applications for two tenure-track assistant professorships beginning July 1, 2022. Strong applicants in all areas of computer science, including security, privacy, foundations of programming languages and formal
verification, machine learning and optimization, systems, human-computer interaction, artificial intelligence, algorithms, and theory, are encouraged to apply. Qualifications required of all applicants include a Ph.D. in Computer Science or a related discipline, a strong research record, and a commitment to teaching at the undergraduate and graduate levels.

The Department consists of a diverse group of 32 tenured and tenure-track faculty members and offers programs leading to B.A., M.S., and Ph.D. degrees. The Department has research strengths in data mining, databases, graphics, image and video computing, machine learning, natural language processing, networking, distributed systems, operating systems, software design and implementation, real-time systems, security and cryptography, and theory of computation and algorithms. In addition, members of the Department collaborate closely with faculty across the university including mathematics and statistics, computer engineering, mechanical engineering, biology, earth and environment, economics, law, medicine, among others. The Department is committed to a diverse and inclusive environment, and it encourages applications from women and underrepresented minorities. All candidates are encouraged to demonstrate throughout their application their attention to diversity and inclusion as these topics relate to teaching, research, and engagement within the academic environment.

Review of applications will begin on December 1, 2021 and continue on a rolling basis. Additional information about the Department is available at http://www.bu.edu/cs.

Qualified applicants should apply at https://academicjobsonline.org/ajo/jobs/19503.

Boston University expects excellence in teaching and in research and is committed to building a culturally, racially, and ethnically diverse scholarly community. Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice. We are proud that we were the first American university to award a Ph.D. to a woman and of our record of inclusiveness. The College of Arts and Sciences includes diversity as one of five strategic goals. We are dedicated to increasing the participation of all talented students and are committed to the pursuit of Computer Science by underrepresented groups at BU and beyond. We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.

Boston University
Assistant Professor in Energy, Sustainability, and Climate

The College of Engineering (COE) at Boston University (BU) has embarked on a bold new strategic plan that will pursue excellence and impact along six convergent research themes: (1) Intelligent, Autonomous and Secure Systems, (2) Synthetic Biology, Tissue Engineering, and Mechanobiology, (3) Energy, Sustainability and Climate, (4) Materials by Design (5) Photonics and Optical Systems, and (6) Neuroengineering, Neuroinformatics, and Neuroscience.

As part of the Energy, Sustainability, and Climate theme, pending Provost approval, the COE at BU is searching for tenure-track faculty candidates at the Assistant Professor level, whose research interests align with one or more of the following areas. 1) Energy storage: Experimental/computational research and/or life cycle analysis of batteries or alternate systems for grid-level storage, energy storage for electric vehicle (EV) applications including inductive charging of EVs, and efficient generation and storage of hydrogen. 2) Sustainable networks and computing: Smart power grid, including integration of distributed renewable generation, EV charging demands, or cyber-physical elements to the power grid; sustainable power or transportation networks for smart cities as well as their physical and economic interactions, and design of energy-efficient computing and communication systems and the optimization and integration of these systems with the smart grid. This is a COE-wide search, and the candidate will have a primary appointment in either the Mechanical Engineering (ME) or Electrical and Computer Engineering (ECE) departments. Cross-cutting research interests leading to secondary appointment(s) in another ENG department, Physics, Chemistry, and/or a Division (Materials Science and Engineering of Systems Engineering) would be encouraged. Interactions with the Institute for Sustainable Energy (ISE), the Sustainable Research Institute (SRI), the Center for Information and Systems Engineering, and the Institute for Data, Systems, and Society (IDSS) would be encouraged. Interactions with the Institute for Data, Systems, and Society (IDSS) would be encouraged.
Engineering (CISE) and/or the Hariri Institute for Computing and Computational Science and Engineering are highly encouraged. The COE believes that the cultural and social diversity of our faculty, staff, and students is vitally important to the distinction and excellence of our research and academic programs. To that end, we are especially eager to have a colleague who supports our institutional commitment to ensuring BU is inclusive, equitable, diverse, and a place where all constituents can thrive join our ranks. Leading Assistant Professor tenure-track candidates will hold a PhD in Engineering or a related field, and will be prepared to conduct a research program that would complement and enhance the strengths of the COE. Candidates will be expected to teach courses at the graduate and undergraduate level in their home department and in cross-college courses. We are explicitly looking for candidates who have an interest in the Societal Impact of their research.

For more information about BU and COE, please visit: http://www.bu.edu/eng/

We encourage candidates to apply early. Applications received by December 15, 2021, will be given full consideration. Please submit to https://academicjobsonline.org/ajo/jobs/19227 your: 1) a cover letter that describes how your research and teaching interests fit within the interdisciplinary mission of the College of Engineering and how you—through your teaching and/or scholarship—will contribute to our goals to engender a more inclusive and diverse college, 2) a research statement, 3) CV, 4) a teaching statement, and 5) three letters of recommendation.

Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice and a commitment to broadening participation of underrepresented groups in engineering. We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.

**Boston University**

**Associate Professor of the Practice**

The Department of Computer Science invites applications for an Associate Professor of the Practice position beginning July 1, 2022. Qualifications required of all applicants include a Ph.D. in Computer Science or a related discipline, a strong professional record and industry experience, and a commitment to teaching. Particular attention will be given to candidates with interests in application areas of artificial intelligence, machine learning, and deep learning.

The Department consists of a diverse group of 32 tenured and tenure-track faculty members, and offers programs leading to B.A., M.S., and Ph.D. degrees. The Department has research strengths in data mining, databases, graphics, image and video computing, machine learning, natural language processing, networking, distributed systems, operating systems, software design and implementation, real-time systems, security and cryptography, and theory of computation and algorithms. In addition, members of the Department collaborate closely with faculty across the university including mathematics and statistics, computer engineering, mechanical engineering, biology, earth and environment, economics, law, medicine, among others. The Department is committed to a diverse and inclusive environment, and it encourages applications from women and underrepresented minorities. All candidates are encouraged to demonstrate throughout their application their attention to diversity and inclusion as these topics relate to teaching, research, and engagement within the academic environment.

Review of applications will begin on November 1, 2021, and continue on a rolling basis. Additional information about the Department is available at http://www.bu.edu/cs.

Qualified applicants should apply at https://academicjobsonline.org/ajo/jobs/19506.

Boston University expects excellence in teaching and research and is committed to building a culturally, racially, and ethnically diverse scholarly community. Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice. We are proud that we were the first American university to award a Ph.D. to a woman and of our record of inclusiveness. The College of Arts and Science includes diversity as one of five strategic goals. We are dedicated to increasing the participation of all talented students and are committed to the pursuit of Computer Science by underrepresented groups at BU and beyond.
We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.

Boston University

Multiple Tenure-Track Faculty Positions

The Faculty of Computing & Data Sciences at Boston University invites applications for one tenured Associate Professor position and three tenure-track Assistant Professor positions, subject to provost approval. Qualifications required of all applicants include a PhD in any of the disciplines that span computing and data science; a strong record of research; a demonstrated capacity for interdisciplinary collaboration; and a commitment to innovative teaching at the undergraduate and graduate levels.

Founded in 2019, the Faculty of Computing & Data Sciences is a university-wide, degree-granting academic unit focused on core and applied areas of computing, computational, and data-driven inquiry. Housed in an iconic 19-story building with a convention-bending design to be completed in 2022, CDS complements traditional cognate academic disciplines by laying the foundation for innovation-driven, civic-minded computing to maximize the real-world impact of research, curricular, and co-curricular programs that are thematically aligned with strategic goals of the university.

Boston University expects excellence in teaching and in research and is committed to building a culturally, racially, and ethnically diverse scholarly community, which is essential to its mission as expressed at http://www.bu.edu/info/about/diversity. BU is an AAU institution with a rich tradition of inclusion and social justice. We are proud of our record, including being the first American university to award a Ph.D. to a woman and the university from which Martin Luther King Jr. received his Ph.D. We are dedicated to increasing participation of all talented students, especially women and other underrepresented groups in Computing and Data Sciences.

All candidates pursuing research at the nexus of computing and data sciences will be considered. Candidates from underrepresented groups and candidates working in the following broad areas of research are encouraged to apply:

(1) Basic research focused on the design, analysis, and implementation of data mining, machine learning, and AI systems, which are inspired by concepts from and/or other unique challenges arising in specific application domains, ranging from the natural, physical, biomedical, and social sciences to economics, education, public health, business intelligence, emerging media communications, computational humanities, and digital arts.

(2) Basic research focused on the design, implementation, and application of computational and data science methodologies and platforms to tackle important problems in biology, including research in algorithm development, computational modeling, machine learning, data mining, AI systems, and tools for generating and analyzing large biological datasets across all fields of biology and medicine, broadly interpreted.

(3) Fundamental, applied, and empirical research examining socio-technical and human-in-the-loop machine learning and AI systems operating within the context of legal, societal, economic, and public policy frameworks, including consideration of transparency, fairness, privacy, security, verifiability, and trust of data and software systems as they relate to concepts of autonomy, consent, governance, liability, and ethics.

We are accepting applications for three tenure-track positions – one in each of the three areas identified above. We are also accepting applications for a tenured position in the first of the three areas identified above.

Consideration and review of applications will start on November 1, 2021, and will continue on a rolling basis until April 15, 2022.

Interested applicants should apply at https://academicjobsonline.org/ajo/jobs/19582.

BU is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national...
Brown University

Lecturer in Computer Science

The Department of Computer Science at Brown University is seeking applicants for a faculty position at the rank of lecturer, senior lecturer, or distinguished senior lecturer.

The department strives to build a diverse and inclusive environment for all members of our community, and is particularly interested in candidates whose experience, teaching, service, or scholarship can further these efforts. Our department’s detailed vision and action plan for diversity fits within Brown’s broader commitment to this work.

The position and program have several distinguishing characteristics:

1. While some of the teaching will be in first- and second-year courses, candidates will also teach some upper-level undergraduate courses, based on their expertise and department needs. Lecturers are expected to advise undergraduate research projects, and are welcome to participate in graduate research with the rest of the faculty. Lecturers with substantial research participation and supporting funds may be eligible for periodic course release.

2. Over the past few years, the department has begun to successfully roll out an initiative to embed socially responsible computing content across our curriculum in a pioneering model. The initiative is supported by dedicated teaching assistant positions, a faculty coordinator, and an administrative coordinator. Though all faculty take responsibility for executing this vision, interested lecturers are in a particularly good position to shape and drive it.

3. The department has a strong undergraduate culture, anchored by a mature program for undergraduate teaching assistants (endowed at $10 million), as well as a long history of top-caliber published undergraduate research. All faculty therefore get to work closely with undergraduates in multiple capacities on a continuum from classroom to research.

The initial appointment would be for a 3-year period (renewable with potential for promotion and longer-term contracts). This position is part of a major expansion plan for the department as it is increasing its roster by 50% over the next few years. The position involves teaching four undergraduate courses per year, academic advising, and engaging with the department’s intellectual culture. Lecturers participate fully in faculty meetings and department initiatives. The department values teaching and educational innovation, and welcomes candidates interested in formally researching computing education in the context of their teaching (though this is not a requirement).

Brown offers a vibrant community for both teaching and research, with 32 tenured and tenure-track faculty members, five lecturers (teaching faculty members), two research faculty and several affiliated, adjunct, and visiting faculty members. Research and graduate programs leverage disciplinary strengths in CS as well as Brown’s broader interdisciplinary culture. CS is a founding partner in multiple university-wide initiatives including Data Science, Computational Molecular Biology, Human-Centered Robotics, and the currently-launching Center for Computing for the People.

Brown University is committed to fostering a diverse, inclusive, and global academic community. As an EEO/AA employer, Brown considers applicants for employment without discrimination on the basis of gender, race, protected veteran status, disability, or any other legally protected status. The department is similarly committed to building a diverse faculty and strongly encourages women, underrepresented minorities and those who can contribute to the excellence, diversity, and inclusivity of our academic community. We ask the candidates to report any relevant experience, including work with diverse constituents, and plans in their applications.

Brown University is located in Providence, RI, close to Narragansett Bay, an hour from Boston and about three hours from New York City. Providence has been consistently rated among the Northeast’s most livable cities and is home to diverse intellectual, artistic, and business communities.

The position is expected to start in the fall of 2022. In selecting candidates, we will consider quality and effectiveness of teaching, commitment to diversity and
Professional Opportunities

Inclusion, and compatibility with the area needs and interests of the department, as well as potential for effective participation in department or university activities. For all applicants, we will consider potential for impact beyond Brown (through teaching, research, significant system building, outreach, or other professional activities, as appropriate for the candidate). Applicants must have a Ph.D. by the start of the position. Applicants must submit a cover letter, a CV, a teaching statement, a diversity statement (which can be included in the teaching statement) and a research statement (or a statement describing other significant professional activities beyond classroom instruction). Candidates must also arrange for at least three letters of reference to be submitted through the application website.

To apply, please use Interfolio: http://apply.interfolio.com/96157.

Review will begin on November 1, 2021, but applications will be considered until the position is filled. Inquiries may be addressed to: teaching_faculty_search_2022@lists.cs.brown.edu

Brown University
Physical Sciences Assistant Professorships: Diversity and Inclusion

As a key part of Brown University’s Diversity and Inclusion Action Plan, we plan to hire multiple tenure-track faculty members in the departments of Chemistry, Computer Science, Earth, Environmental and Planetary Sciences, Physics, Mathematics, and in the Division of Applied Mathematics. We seek candidates who contribute to the diversity of faculty in these departments and/or who have demonstrated significant support for diversity and inclusion through their research, teaching and service.

This search is at the assistant professor or untenured associate professor level. The expected start date is July 1, 2022, although later start dates can be considered. For highly promising candidates who may need postdoctoral experience, we may be able to support some postdoctoral work at Brown before the assistant professorship begins.

We will consider candidates in all subdisciplines, and will also consider joint appointments or affiliations with the departments listed above or with other departments and centers at Brown including, but not limited to, the Data Science Initiative, the School of Engineering, the Institute at Brown for Environment & Society, the Center for the Study of Race and Ethnicity in America, the Native American and Indigenous Studies Initiative, the Annenberg Institute for School Reform at Brown University, the Watson Institute for International and Public Affairs, and Brown’s School of Public Health. We welcome applications from dual career couples and will work to accommodate the needs of both partners.

Qualifications

Applicants must have or expect to complete a doctoral degree before the start of the position. Successful candidates must contribute to the diversity of faculty and/or demonstrate significant support for diversity and inclusion through their research, teaching and service. They must hold the promise of exceptional contributions to their departments’ scholarship and teaching.

Application Instructions

Applicants should submit a cover letter, a CV, a teaching statement, a research statement, and a diversity statement. In this last document, please summarize your past and planned contributions to diversity and inclusion. These contributions may arise from scholarship, teaching/mentoring, service, lived experience, or other activities. Optional: Candidates may arrange for three letters of reference to be submitted on their behalf. Applicants who choose not to supply reference letters now will not be disadvantaged. They may be asked for references later in the search process.

Applications will be considered on a rolling basis but we strongly encourage the candidates to submit complete applications by January 7, 2022. We will start application reviews and interviewing immediately, and we highly encourage early applications.

Applicants who would like confidentiality should explicitly mention this desire in the first paragraph of their cover letters. To apply, please use Interfolio: apply.interfolio.com/99877. Inquiries may be addressed to Deputy Dean of the Faculty Janet Blume at: janet_blume@brown.edu.

Brown University is committed to fostering a diverse and inclusive
Brown University

Postdoctoral Research Associate

The School of Public Health (SPH) at Brown University and Brown-Lifespan Center for Digital Health (CDH) is seeking a postdoctoral fellow/postdoctoral research associate to join the Department of Behavioral and Social Sciences. The postdoctoral fellow will participate in research training focused on digital health, with a focus on designing and testing technologies that support health behavior change. Through the fellowship, the candidate will have the opportunity to participate in early career training programs offered by SPH and CDH, build teaching experience in digital health-focused courses and certificate programs, participate in innovation/entrepreneurship programs through CDH, and contribute to ongoing/future research projects as part of a multidisciplinary team.

For details, see: https://apply.interfolio.com/98420

Brown University

Professor of Cybersecurity and International and Public Affairs

Cyber and Security

The Watson Institute for International and Public Affairs at Brown University invites applications for a faculty position in “cyber and security” to begin in July 2022. We are seeking applicants whose research focuses on various aspects of the intersection between cyber technologies and human security. Research of interest includes, but is not limited to, topics such as the impact of algorithm-based surveillance on marginalized communities, the strategic manipulation of cyber information for geopolitical gain, the intersection between social media and surveillance, the implications of autonomous weapon systems and drone warfare, and the development of offensive and defensive cyber weaponry.

This faculty position will involve a joint appointment between the Watson Institute and a relevant tenure-granting disciplinary department at Brown. We are seeking applicants who have both proven technical expertise and the ability to engage existing areas of strength in the Watson Institute. We welcome applicants with doctoral degrees from all relevant disciplines, including STEM fields (e.g., Computer Science, Applied Mathematics) and the social sciences (e.g., Sociology, Economics, Political Science, Anthropology, History, Africana Studies). The Watson Institute is especially interested in qualified candidates who can contribute through their research, teaching, and service to the diversity and excellence of the academic community.

Candidates at all ranks are welcome. A successful senior candidate must have an outstanding record of scholarly achievement, a proven record of successful research funding, and a demonstrated commitment to undergraduate and graduate teaching and advising. A successful junior candidate must be engaged in a research program with the potential to influence their field, and a strong commitment to undergraduate and graduate teaching and advising.

Junior candidates must have completed the PhD by the time of appointment. Review of applications will begin November 22, 2021, but applications will be accepted until the position is filled.

All candidates should submit: 1) a cover letter describing research completed and planned, 2) a curriculum vitae, 3) a short writing sample, and 4) a teaching statement. We ask that in both the cover letter and teaching statement, the candidate describe how their work fosters inclusive learning and diversity.

Senior candidates should include the names of five references whom the search committee can contact at an appropriate time. The list of references can be submitted via the “additional documents” field in Interfolio.
Junior candidates should have three letters of reference and their official graduate transcript uploaded to Interfolio at the time of the application. The confidential recommendation letters should be uploaded to Interfolio by the referee.

Brown University is committed to fostering a diverse and inclusive academic global community. As an EEO/AA employer, Brown considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, or any other legally protected status.

Apply here: [http://apply.interfolio.com/90590](http://apply.interfolio.com/90590)

**Brown University**

**Tenure-track Faculty in Computer Science**

The Department of Computer Science at Brown University is hiring multiple tenure-track faculty members at the level of Assistant Professor.

The department strives to build a diverse and inclusive environment for all members of our community, and is particularly interested in candidates whose experience, teaching, service, or scholarship can further these efforts. Our department’s detailed vision and action plan for diversity fits within Brown’s broader commitment to this work.

We are focused on candidates whose research addresses at least one of the following:

- theoretical computer science, especially design and analysis of algorithms
- computer science education
- computer systems (broadly construed, including but not limited to distributed systems, networks, security, databases, programming languages, and architecture)

While we are specifically interested in candidates who connect to the areas listed above, we will also consider other candidates who have the potential to make exceptional contributions to goals around diversity and inclusion.

These positions are a part of a major expansion plan for the department as it works to increase its faculty roster by close to 50% over a five-year period. While many of these positions will be used to strengthen and expand core CS areas, some will be used to build bridges with other campus disciplines to facilitate interdisciplinary research and teaching. As a part of our overall plan, we are also emphasizing socially responsible computing throughout our curriculum and research.

The department has 32 tenured and tenure-track faculty members, 2 research faculty members, 5 lecturers (teaching faculty members), and several affiliated adjunct and visiting faculty members. In addition to its strong graduate program, the department has a strong undergraduate culture, anchored by a mature, endowed program for undergraduate teaching assistants and research assistants. Department members frequently take advantage of Brown’s interdisciplinary culture via collaborations with numerous other Brown units including Applied Mathematics, Biology, Brain Sciences, Cognitive Linguistic and Psychological Sciences, Economics, Engineering, Mathematics, Medicine, Public Health, Public Policy, and Visual Arts, as well as the Rhode Island School of Design. CS is a founding partner and plays key roles in major university-wide programs and initiatives including Data Science, Humanity Centered Robotics, Computational Molecular Biology, and the currently-launching Center for Computing for the People.

Brown University is committed to fostering a diverse, inclusive, and global academic community. As an EEO/AA employer, Brown considers applicants for employment without discrimination on the basis of gender, race, protected veteran status, disability, or any other legally protected status. The department is similarly committed to building a diverse faculty and strongly encourages women, underrepresented minorities and those who can contribute to the excellence, diversity, and inclusivity of our academic community. We ask the candidates to report any relevant experience, including work with diverse constituents, and plans in their applications.

Brown University is located in Providence, RI, 60 miles from Boston and about 180 miles from New York City, both accessible via frequent rail service, and close to Narragansett Bay. Providence has been consistently rated among the Northeast’s most livable cities and is home to diverse intellectual, artistic, and business communities.
Applicants must have completed all requirements for the doctoral degree by the start of the position. The initial appointment as assistant professor is for four years and is renewable. Applicants should submit a cover letter, a CV, a teaching statement, and a research statement. Please also provide a diversity statement (which can be part of the teaching statement), in which you summarize your past and planned contributions to diversity and inclusion. These contributions may arise from teaching/mentoring, outreach, lived experience, or other activities. Applicants should also arrange for at least three letters of reference to be submitted through the application website. (For additional information about the university’s and department’s commitment to diversity and inclusion, see www.brown.edu/about/administration/institutional-diversity/pathways and www.cs.brown.edu/about/diversity.) We are eager to try to accommodate the needs of, and welcome applications from, dual-career couples.

Applications will be considered until the position(s) are filled but we strongly encourage the candidates to submit complete applications (including reference letters) by December 1, 2021 for full consideration. We will start application reviews and interviewing immediately and highly encourage early applications. Applicants who would like confidentiality should explicitly mention this desire in the first paragraph of their cover letters.

To apply, please use Interfolio: https://apply.interfolio.com/96187. Inquiries may be addressed to faculty_search_2022@lists.cs.brown.edu.

---

**Butler University**  
**Assistant Professor**  
Please visit www.butler.edu/hr/faculty-openings

---

**California Institute of Technology**  
**Faculty Position in Electrical Engineering**  
The Division of Engineering and Applied Science of the California Institute of Technology (Caltech) invites applications for a tenure-track faculty position in Electrical Engineering (EE). Caltech’s faculty represent the full range of disciplines in science, engineering, and the social sciences and are dedicated to addressing fundamental scientific and engineering questions and pressing societal challenges.

We are seeking candidates in the broad area of information systems, including decision systems, systems for science, distributed systems, sensory systems (such as speech and vision), signal processing, data science, control, robotics, artificial intelligence, networking, and human-in-the-loop systems. Candidates who are motivated by societal challenges such as climate change, conservation of nature, energy and sustainability, smart infrastructure, health and health care, space and exploration, science, and education are encouraged to apply. Applications from candidates belonging to underrepresented groups are especially welcome.

Complete information and application instructions at https://applications.caltech.edu/job/ee  
EOE of Minorities/Females/Protected Vets/Disability.

---

**Carnegie Mellon University**  
**Assistant/Associate Teaching Professor - Software Engineering**  
The Institute for Software Research (ISR) in the School of Computer Science (SCS) at Carnegie Mellon University invites applications for multiple teaching-track positions for its Masters of Software Engineering (MSE) program. These are career-oriented, renewable appointments with an initial appointment of three years at the rank of Assistant or Associate Teaching Professor commensurate with the experience of the candidate. These ranks are not tenured, but they do provide substantial opportunities for professional growth and long-term contributions to software engineering education at Carnegie Mellon University.

We especially invite candidates with a demonstrated track record in mentoring and engaging members of groups traditionally underrepresented in software engineering and computer science and with substantial industry experience. ISR promotes a balanced teaching load to allow faculty to have a deeper engagement with students as well as time to pursue research, advise students, design or participate in outreach programs, create new courses, explore and experiment with new teaching methodologies.
The MSE family of programs comprises a Master of Software Engineering Program focused on experienced individual contributors seeking to transition into a leadership position and two more technical oriented programs: MSE-Scalable Systems and MSE-Embedded Systems addressing the needs of fresh graduates wishing to develop excellence in these areas. The three programs are offered at our campus in Pittsburgh, with the Master of Software Engineering Program also offered on a distance modality to serve working students.

Because the MSE programs embrace a learning by doing philosophy, faculty is expected to have weekly meetings with students working in their capstone projects and serve as mentors for their teams. The program graduates approximately sixty students per year, so class sizes are not huge.

We are particularly interested in candidates that can teach courses in one or more of the following areas:

- **Quality assurance** (e.g., testing, applied formal methods, modeling and analysis of software systems, chaos engineering, data quality and assurance for autonomous and ML enabled systems)
- **Solutions design** (e.g., business process modeling, design thinking, service design, user experience design and human computer interfaces.)
- **Software architecture** (e.g., microservices, real-real time, cloud computing, IoT and ML/AI enabled systems)
- **Processes and Management** (e.g., plan based, agile and hybrid development approaches, empirical software engineering techniques, process improvement frameworks)

Applicants are expected to have an advanced degree, e.g. M.S. along with significant professional experience or a PhD. in computer science, software engineering, or a related field.

For full consideration, applications must be received by December 8, 2021. You can apply at [https://www.isri.cmu.edu/jobs/teaching-track.html](https://www.isri.cmu.edu/jobs/teaching-track.html).

Carnegie Mellon considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, sexual orientation, gender identity, or any additional legally protected status.

### Carnegie Mellon University

**Assistant/Associate Teaching Professor - Software Engineering**

The Institute for Software Research (ISR) in the School of Computer Science (SCS) at Carnegie Mellon University invites applications for multiple teaching-track positions in software engineering. These are career-oriented, renewable appointments with an initial appointment of three years at the rank of Assistant or Associate Teaching Professor commensurate with the experience of the candidate. These ranks are not tenured, but they do provide substantial opportunities for professional growth and long-term contributions to software engineering education at Carnegie Mellon University.

We are seeking to fill two positions this year. One position is focused on Masters education, specifically in the Masters of Software Engineering (MSE) program; the other position will broadly support our computer science and software engineering educational programs. We especially invite candidates with a demonstrated track record in mentoring and engaging members of groups traditionally underrepresented in software engineering and computer science. ISR promotes a balanced teaching load to allow faculty to have a deeper engagement with students as well as time to pursue research, advise students, design or participate in outreach programs, create new courses, explore and experiment with new teaching methodologies.

### Masters Focused Position

The MSE family of programs comprises a Master of Software Engineering Program focused on experienced individual contributors seeking to transition into a leadership position and two more technical oriented programs: MSE-Scalable Systems and MSE-Embedded Systems addressing the needs of fresh graduates wishing to develop excellence in these areas. The three programs are offered at our campus in Pittsburgh, with the Master of Software Engineering Program also offered on a distance modality to serve working students.
Because the MSE programs embrace a learning by doing philosophy, faculty is expected to have weekly meetings with students working in their capstone projects and serve as mentors for their teams. The program graduates approximately sixty students per year, so class sizes are not huge.

We are particularly interested in candidates that can teach courses in one or more of the following areas:

- **Quality assurance** (e.g., testing, applied formal methods, modeling and analysis of software systems, chaos engineering, data quality and assurance for autonomous and ML enabled systems)
- **Solutions design** (e.g., business process modeling, design thinking, service design, user experience design and human computer interfaces.)
- **Software architecture** (e.g., microservices, real-real time, cloud computing, IoT and ML/AI enabled systems)
- **Processes and Management** (e.g., plan based, agile and hybrid development approaches, empirical software engineering techniques, process improvement frameworks)

Applicants to this position are expected to have an advanced degree, e.g. M.S. along with significant professional experience or a PhD in computer science, software engineering, or a related field.

**Undergraduate focused position**

Additionally, we are looking for a position to support the undergraduate program in Software Engineering. The undergraduate program offers a minor in software engineering, and candidates will be involved in teaching a variety of courses in software engineering. Additionally, there are opportunities to be involved in CS/SE curriculum development, as well as CS/SE educational scholarship. Teaching track faculty serve on various committees alongside other faculty at the department, school, and university levels.

For this position, we seek candidates with expertise in software engineering practices, and an aptitude for teaching and engaging students. Faculty candidates are expected to have an advanced degree (PhD) in computer science, software engineering, or a related field.

**Application Instructions**

For full consideration, applications must be received by December 8, 2021. You can apply at [https://www.isri.cmu.edu/jobs/teaching-track.html](https://www.isri.cmu.edu/jobs/teaching-track.html)

Applicants should submit (1) a letter of application describing their interests in teaching teaching undergraduates and/or Master’s students at Carnegie Mellon University and in promoting inclusion and diversity in software engineering, (2) a curriculum vitae, (3) a statement of teaching philosophy, (4) the names and email addresses of three or more individuals whom the applicant has asked to provide letters of reference, and if available, (5) supplementary materials including teaching evaluations, video samples of teaching, curriculum portfolios, and activities related to promoting inclusion and diversity.

Carnegie Mellon considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, sexual orientation, gender identity, or any additional legally protected status.
but we particularly seek applicants at the assistant or associate professor level. While teaching track faculty can pursue research activities, they are neither required nor expected to do so; their evaluation is based on teaching, educational, and service contributions.

Applicants should have completed a Ph.D. in a discipline related to Business Analytics, including machine learning, operations research, statistics, industrial engineering, computer science, economics, or information systems. The ideal candidate has the ability to bridge analytics methodology and business applications in, e.g., finance, marketing, or operations. Teaching assignments may span all our educational programs including the MBA, MS in Business Analytics, and Undergraduate Business programs. Candidates must demonstrate a potential for and commitment to teaching excellence.

Institution

The Tepper School of Business at Carnegie Mellon consistently ranks among the top business schools in the world at both the graduate and undergraduate levels. The school has a rich history of quantitative decision making and analytical approaches to problem solving and is renowned for its research and educational contributions in areas related to Business Analytics. The educational mission of the school combines analytics with business, technology, and leadership. We believe that the Intelligent Future is powered by data and reimagined by humans. For more information about programs at the Tepper School of Business at Carnegie Mellon, please go www.tepper.cmu.edu. For more information about Carnegie Mellon University, please go to www.cmu.edu.

Application Process

Candidates should submit a cover letter, curriculum vitae, teaching statement (including previous teaching evaluations if available), diversity statement, up to three publications or working papers (optionally), and three recommendation letters via Interfolio (http://apply.interfolio.com/99898).

To ensure full consideration, complete applications, all supporting materials, and reference letters should be received no later than January 31, 2022.

If you have any questions, please contact Phil Conley, Faculty Search Coordinator for Communications at btgroup@andrew.cmu.edu or 412-268-6212.

Carnegie Mellon University considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, or any other legally protected status.

Carnegie Mellon University

CMU ETC Teaching Faculty

Carnegie Mellon University’s Entertainment Technology Center is hiring Teaching Track Faculty with backgrounds in game design, software engineering and leadership & innovation. https://www.etc.cmu.edu/etc-faculty-search/

Help us shape the future of the premiere professional degree program in entertainment technology. Join us as we diversify our project-based curriculum and prepare our students to build the entertainment professions of the 21st century.

Your responsibilities will include:

- Teach, with co-faculty, three sections of the semester ETC Project Course. Supervise students within their project teams (typically 4-6 students each) and provide constructive criticism on project materials
- Mentor a diverse body of students and assist their professional growth, particularly related to areas of expertise and experience
- Develop and teach one to two elective classes per year in your choice of subject, preferably in the areas of expertise and experience

Qualifications:

- We are seeking an individuals who hold a B.S. or B.A. in a relevant discipline and have proven industry experience of five or more years. An advanced degree is not required for candidates with extensive professional experience in relevant areas, but having such a degree is a plus. Our students desire to understand how real-world professional design & development occurs. Ideal candidates will be able to show evidence of practices which promote and support diverse perspectives and underrepresented and underserved voices in the field.

You should be able to demonstrate:

- Strong collaboration and interpersonal skills
Professional Opportunities

- In-depth understanding of industry and/or independent professional design and development
- A high level of expertise developing experiences from playable prototype to polished completion
- The ability to help students work well on interdisciplinary teams
- A passion for teaching in related areas

Carnegie Mellon University Africa

Teaching Track and Research Track Faculty

Carnegie Mellon University Africa (CMU-Africa) invites applications for teaching track and research track faculty positions at all levels (i.e., Assistant, Associate and Full Professor) at its campus in Kigali, Rwanda.

Carnegie Mellon University, a world leader in information technology, engineering, and artificial intelligence, started its graduate programs on the ground in Kigali, Rwanda in 2012, with the goal of educating the next generation of African technology leaders in Africa. With strong support from the Government of Rwanda, the Mastercard Foundation, Smart Africa, the Mandela Institute for Developmental Studies (MINDS) and other partners, CMU Africa has grown to more than 230 full-time resident graduate students from 20 countries in Africa, with plans to grow to about 400 students in four years. CMU Africa graduates are having significant positive impact and rising quickly to technology leadership positions to take advantage of Africa’s unique opportunities. CMU Africa is on a strong positive trajectory, having moved into a new building in 2019 as the anchor tenant of the Kigali Innovation City and doubling its size in the past two years.

CMU Africa offers three Master’s degree programs: Information Technology, Electrical and Computer Engineering, and Engineering Artificial Intelligence. The location has about 25 faculty members dedicated to teaching, research and entrepreneurship activities. Some examples of current research projects include forecasting the economic and mortality impacts of COVID-19 for Rwanda and beyond, enhancing cybersecurity capacity in Africa, and strengthening the governance system and teacher management in Rwanda.

Building on CMU Africa’s significant growth and success in its first decade, CMU Africa is starting an ambitious, well-resourced program to develop a network of African higher learning institutions that will work collaboratively in education, knowledge creation and technology entrepreneurship with the goal of supporting inclusive digital transformation throughout Africa.

We seek highly-qualified candidates with a Ph.D. from leading research universities to contribute to CMU Africa’s innovative, interdisciplinary graduate teaching and research programs to educate and empower the next generation of African technology leaders. We welcome applicants with interests in the development and application of Information and Communication Technology, defined broadly, to address societal challenges in an African setting. Areas of particular interest include artificial intelligence and machine learning, cybersecurity and privacy, software engineering and development, robotics, IoT, technology policy and technology entrepreneurship with applications to health, finance, agriculture, energy, and education.

We are seeking both teaching-track and research-track faculty. While these are not tenure-track lines, research and teaching faculty tracks are well established professional tracks at CMU with renewable, multi-year contracts that go through same review and promotion process (with different criteria) as tenure-track faculty. Teaching and research faculty are integrated into all CMU Africa activities, take on leadership positions, and receive significant support to achieve scholarly excellence. They are expected to actively collaborate with other faculty at CMU Africa, CMU-Pittsburgh and partner African universities in their scholarly activities. The teaching and research tracks present long-term career growth opportunities along well-established promotion lines to advance through Assistant, Associate, and full Teaching/Research Professor levels. Both tracks are encouraged to engage in teaching and research. They differ in their focus.

Teaching-track faculty are responsible for teaching courses, supervising student research projects, engaging in broader aspects of our educational programs and collaboratively improving our educational offerings. Teaching-track faculty members have opportunities to conduct research or engage in other activities that advance them professionally, provided...
those activities are consistent with the department’s overall educational mission.

**Research-track faculty** responsibilities include creating, developing, carrying out and managing innovative research programs, particularly in areas of importance to Africa. CMU Africa research-track positions are fully funded for three years providing a convenient ramp for the research faculty to establish a strong research program and pursue external research funding opportunities. Research-track faculty members supervise graduate students and postdocs (often in collaboration with other CMU faculty, including faculty on the Pittsburgh campus) and frequently engage in teaching courses which helps them attract students to join their research efforts.

CMU Africa faculty in both tracks are expected to work closely with colleagues on the main campus and visit the main campus for both short-term and longer-term (e.g., a semester or a year) for establishing and growing collaborative efforts in both teaching and research. Similarly, faculty members on the main campus will have opportunities to come to Kigali to teach and carry out joint research with CMU Africa faculty.

**Apply here:** [https://apply.interfolio.com/96623](https://apply.interfolio.com/96623)

Carnegie Mellon University (CMU) seeks a visionary and highly collaborative leader to serve as the Director of the Human-Computer Interaction Institute (HCII) in the School of Computer Science (SCS). This is an exceptional opportunity to lead the foremost Human-Computer Interaction program in the world in its research and education missions—developing the next generation of HCI scholars and continuing to transform the field. Carnegie Mellon’s SCS, the nation’s top-ranked computer science school, provides an unparalleled scaffold for HCII’s pathbreaking research and is renowned for its collegial, innovative, and entrepreneurial environment, with seamless collaborations across departments, institutes, and with other Schools and Colleges at CMU. The Director will further enable HCII’s faculty, staff, and students to push forward the boundaries of the field, connect with pioneering researchers across the School and the University, and solve some of the world’s most challenging problems at the interface of society and computing.

The School of Computer Science at Carnegie Mellon University is a leading center for computer science research and education. With total annual research expenditures of nearly $110 million (within a budget of approximately $180 million), it currently enrolls over 2,300 students across three undergraduate majors, additional undergraduate programs, eight distinct Ph.D. programs, and over 20 Masters programs. It is home to approximately 270 faculty and 540 staff across seven academic departments. Founded as the Computer Science Department in 1965, one of the world’s first, it transformed into a School of Computer Science in 1988 with the prescient vision to lead the world in the study of computers and the technologies they enable. Since then, it has steadily grown in stature and impact. Today, it is widely recognized as one of the top computer science schools in the world, and it is tied for the #1 ranking among computer science organizations by US News and World Report.

Overseeing an operating budget of approximately $14 million and annual research expenditures exceeding $13 million, the Director of the HCII will lead its 39 faculty members into the Institute’s next phase of growth. With the formal launch of the nation’s first undergraduate degree in human-computer interaction, HCII will produce specialists with a strong foundational knowledge of computer science and wide-ranging skills in developing world-changing digital technologies. As these technologies continue to expand beyond mobile applications and websites into conversational interfaces, the internet of things, and augmented/virtual reality, the work of the HCII becomes ever more important. The Director will continue to provide ample research opportunities for students, nurture and cultivate talented graduate students and young faculty, and ensure that HCII continues to pioneer approaches to design-based, interdisciplinary computing research.

Review of applications, nominations, and expressions of interest will begin immediately and continue on a confidential basis until an appointment is

---

**Carnegie Mellon University, Pittsburgh, Pennsylvania**

**Director of the Human-Computer Interaction Institute**
Professional Opportunities

Carnegie Mellon University considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, or any other legally protected status.

Carnegie Mellon University in Qatar

Postdoctoral Fellow

CMU Qatar invites applications for postdoctoral fellow positions. These positions are designed for candidates who are interested in enhancing their teaching portfolio, along with their research portfolio, to be better prepared for future academic positions. The positions expect candidates to relocate to Carnegie Mellon’s campus in Doha starting Summer 2022.

Position details including role, expectations, benefits, and application submission, can be found at the following link: https://apply.interfolio.com/98925

Carnegie Mellon University in Qatar

Faculty Position in Computational Biology

Description:

Carnegie Mellon University in Qatar invites applications for a teaching-track faculty position at any level in the field of Computational Biology. We are seeking applications from candidates in all areas of computational biology whose work and expertise is computational or combines computational approaches to solving biological problems. This is a career-oriented renewable appointment that involves teaching high-achieving undergraduate students.

The position offers a competitive salary and benefits including a foreign service premium, excellent international health care coverage, and allowances for housing, transportation, dependent schooling, and travel.

Qualifications:

Candidates must have a Ph.D. in Computer Science or related field, substantial exposure to university-level education, good leadership skills, an outstanding teaching record, and excellent research accomplishments. Strong interest in supervising undergraduate research is a positive attribute. Teaching duties would include, but are not limited to, introductory and advanced computational biology courses.

Application Instructions:

Applications, including a cover letter, a curriculum vitae (including publication list), research and teaching statements, a diversity statement (outlining how you have contributed to, or plan to contribute to, diversity, inclusion, and equity), and the contact information for at least three individuals who have been asked to upload confidential letters of reference should be submitted electronically via this site: http://apply.interfolio.com/81740

The deadline for applying is January 31, 2022 or until the position is filled.

Please send inquiries to the Area Head for Computer Science at CMU-Q; Khaled A. Harras at kharras@cs.cmu.edu

Case Western Reserve University, Cleveland, Ohio

Faculty Positions in Department of Computer and Data Sciences

The Department of Computer and Data Sciences in the Case School of Engineering at Case Western Reserve University (CWRU) invites applications for multiple tenure-track faculty positions.

This search prioritizes Assistant and Associate Professor candidates in Artificial Intelligence, Machine Learning, Algorithmic Fairness, Data Science, and Computer Systems. However, we will consider exceptional candidates at all ranks and in all areas of Computer and Data Sciences. In addition to foundational research, candidates with collaborative research programs in applied areas of Computer and Data Sciences are encouraged to apply.

The Department of Computer and Data Sciences was formed in 2019 out of the Department of Electrical Engineering and Computer Science, with the vision that computing and data sciences will play a central role in interdisciplinary research and education throughout the university.

For more information and to submit an application, please visit https://engineering.case.edu/computer-and-data-sciences/employment
CWRU provides reasonable accommodations to applicants with disabilities. Applicants requiring a reasonable accommodation for any part of the application and hiring process should call 216-368-3066.

Clemson University
Assistant/Associate Professor in the School of Computing

Clemson University is hiring in the broad areas of Artificial Intelligence, including (but not limited to) human-AI interaction, human-centered AI, trustworthy AI, deep learning, reinforcement learning, and any AI-related application areas such as CPS, IoT, NLP, HCI, Vision, Graphics, Robotics, and social sciences. The School of Computing invites applications for two tenure-track faculty at assistant/associate levels starting in Fall, 2022. T/TT faculty in the School of Computing are members of the Divisions of Computer Science, Human-Centered Computing, and Visual Computing. Candidates will be invited to join the Artificial Intelligence Research Institute for Science and Engineering, which is led out of the School of Computing.

Clemson has had continued growth and increase of student enrollment through the global pandemic. The School of Computing has 38 tenured/tenure-track faculty members, twelve full-time non-tenure track faculty, more than 1,000 undergraduate majors, and over 260 graduate students. The School offers twelve degrees at the Baccalaureate, Master’s, and Doctorate levels in Computer Science, Human-Centered Computing, Digital Production Arts, Biomedical Data Sciences and Informatics, and an interdisciplinary master’s program in Systems Engineering. For additional details, please see http://computing.clemson.edu/

The College of Engineering, Computing and Applied Sciences at Clemson University is building a strategic, cross-disciplinary faculty cluster in AI to advance research and education in four thrusts: Next Generation Computing, Infrastructure & Sustainable Environment, Future Materials, and Health Innovation & Human Performance. Members of the AI cluster will leverage their expertise in AI, machine learning, cybersecurity, autonomy, sensing and analytics in collaborative research pursuits with faculty across and beyond the college. Transformative AI/ML systems and applications call for novel solutions that span perception of the physical world, processing of diverse genres of data, making decisions, controlling physical devices and systems, and interacting with human and society. With its cross-disciplinary focus, joint appointments with multiple departments are encouraged for positions in this cluster. Successful candidates will demonstrate experiences in driving high-impact interdisciplinary research in AI/ML systems and applications.

Clemson University has the highest Carnegie research designation (RI), and recently completed its Clemson Forward plan with strategic focus on advancing our doctoral programs and strengthening our research and scholarly impact while still preserving the outstanding signature undergraduate experience that is at the heart of Clemson. Clemson Forward has at its core the mission being a model for the 21st Century land grant university.

The University, the College of Engineering, Computing and Applied Sciences, and the School of Computing are committed to building a community of inclusive excellence, where faculty scholars are dedicated to working and teaching in a multi-cultural environment (http://www.clemson.edu/inclusion/). In addition, Clemson University recognizes that many prospective candidates for faculty positions at Clemson have dual career needs. The Dual Career Program in the Office of the Provost provides support when considering employment opportunities with the university and in the surrounding community.

More information may be found at http://www.clemson.edu/cecas/departments/computing/connect/tenuretrack2019.html

Qualifications
An earned doctorate or equivalent is required for this tenure track position.

Application Instructions
Review of applications will begin on February 1st, 2022 and will continue until the position is filled.

Applicants should indicate their research specialties and interests in their cover letter. Vita, statements on teaching, research, and a Justice, Equity, Diversity, and Inclusion (JEDI) Statement including
the description of the candidate’s experience mentoring diverse individuals and/or how the candidate plans to contribute to the inclusive excellence of the School and the contact information for our system to secure three confidential reference letters should be submitted at http://apply.interfolio.com/100213.

Equal Employment Opportunity Statement

Clemson University is an AA/EEO employer and does not discriminate against any person or group on the basis of age, color, disability, gender, pregnancy, national origin, race, religion, sexual orientation, veteran status or genetic information. Clemson University is building a culturally diverse faculty and staff committed to working in a multicultural environment and encourages applications from minorities and women.

College of the Atlantic

*Faculty Member in Computer Science*

College of the Atlantic invites applications for a faculty member in computer science. We seek an energetic, innovative teacher with broad intellectual interests to offer a range of classes to motivated students with diverse backgrounds and goals. In addition to core CS classes, we welcome courses that make connections between computer science and other areas.


Review of applications begins on Dec 20, 2021.

---

**College of William & Mary**

*Assistant or Associate Professor of Data Science (Multiple hires)*

The Data Science Program at William & Mary, a public university of the Commonwealth of Virginia, seeks applications for multiple tenure track positions at the Assistant or Associate Professor level in Data Science. Appointment will begin August 10, 2022. We are primarily interested in individuals with research and teaching expertise in one or more of the following areas: artificial intelligence and machine learning, data visualization, unstructured data analysis, network analysis, computer vision, data ethics, data engineering (esp. high velocity data acquisition), and large-scale data analysis and simulation modeling in support of diverse applications. Exceptional applicants from other areas of Data Science may also be considered. Successful applicants are expected to establish and maintain a vibrant externally funded research program that inspires a highly motivated graduate and undergraduate student body, and to take advantage of the collaboration opportunities that W&M is offering. Teaching expectation is up to two courses per semester. Successful applicants should have a broad knowledge of data analytics, with a strong interest in teaching to multidisciplinary, liberal arts audiences, including students in disciplines both inside and outside of traditional STEM areas. They are expected to contribute to a Data Science unit that builds on the diverse expertise of William & Mary to establish a nationwide leading program.

Applicants must apply online at: [https://jobs.wm.edu/postings/44233](https://jobs.wm.edu/postings/44233)

Submit a curriculum vitae, a cover letter, a statement of research and teaching interests, and a statement describing previous professional experience or future plans (or both) that demonstrate a commitment to diversity and inclusion.
You will be prompted to submit online the names and email addresses of three references who will be contacted by the system with instructions for how to submit a letter of reference.

For full consideration, submit application materials by the review date, December 1, 2021. Applications received after the review date will be considered if needed.

**College of William & Mary**

**Assistant or Associate Professor of Data Science**

The Data Science Program at William & Mary, a public university of the Commonwealth of Virginia, seeks applications for a tenure track position at the Assistant or Associate Professor level in Data Science. Appointment will begin August 10, 2022. We are interested in an individual with research and teaching expertise in i) Artificial Intelligence (AI)/Machine Learning (ML) techniques or ii) applications of data science in support of large-scale experiments and simulations performed at Jefferson Lab, a Department of Energy national laboratory. The successful applicant is expected to establish and maintain a vibrant externally funded research program with a focus on data science issues in support of the research portfolio undertaken at Jefferson Lab. The successful applicant will inspire a highly motivated graduate and undergraduate student body. Teaching expectation is one course per semester. The successful applicant must be able to teach lecture and seminar-style courses in data science, and contribute to expanding the strong connection between W&M and Jefferson Lab. The successful applicant is also expected to contribute to a Data Science unit that builds on the diverse expertise of William & Mary to establish a nationwide leading program. Depending on the particular expertise of the candidate, this Data Science position may carry a joint appointment with Computer Science or Physics as appropriate.

**Applicants must apply online at:**
[https://jobs.wm.edu/postings/44255](https://jobs.wm.edu/postings/44255)

Submit a curriculum vitae, a cover letter, a statement of research and teaching interests, a statement describing previous professional experience or future plans (or both) that demonstrate a commitment to diversity and inclusion. You will be prompted to submit online the names and email addresses of three references who will be contacted by the system with instructions for how to submit a letter of reference.

For full consideration, submit application materials by the review date, December 1, 2022. Applications received after the review date will be considered if needed.

**College of William & Mary**

**Visiting Assistant Professor or Instructor of Data Science**

The Data Science Program at William & Mary, a public university of the Commonwealth of Virginia, invites applications for a one-semester (Spring 2022) non-tenure-track visiting faculty position, to begin on January 10, 2022. We seek a strong teacher with expertise in big data analytics who will teach python-based courses for the core curriculum in Data Science (e.g. programming for data science, introduction to data science, machine learning, databases, or data visualization) as well as the possibility for an upper-level Data Science course in the candidate’s area of specialization. The ideal candidate will have a broad knowledge of data analytics, with a strong interest in teaching to multidisciplinary, liberal arts audiences, including students in disciplines outside of traditional STEM areas, and experience in using alternative data analysis languages, such as R, Julia, or Scala.

**Required Qualifications** Minimum M.S. in Data Science, Computer Science, or Statistics or a closely aligned discipline. Candidates with an advanced degree in other fields will be considered if they have published work that utilizes extensive big data analytics or have experience working in industry. Preferred Qualifications ABD or Ph.D. in Data Science, Computer Science, Statistics by the time of appointment, or a Ph.D. in another field if they have published work that utilizes extensive big data analytics or have experience working in industry. Prior university teaching experience and/or applied experience outside of academic settings is preferred.

**Applicants must apply online at** [https://jobs.wm.edu/postings/44301](https://jobs.wm.edu/postings/44301).

Please submit a curriculum vitae, a cover letter, a statement of research and teaching interests, and a statement describing previous professional experience or future plans (or both) that demonstrate a commitment to diversity.
Professional Opportunities

and inclusion. You will be prompted to submit online the names and email addresses of three references who will be contacted by the system with instructions on how to submit a letter of reference.

For full consideration, submit application materials by the review date, December 1, 2022. Applications received after the review date will be considered if needed.

Colorado School of Mines

495352-Teaching Faculty in Computer Science

The Department of Computer Science at Colorado School of Mines (Mines) invites applications for multiple open rank tenured/tenure-track faculty positions in CS@Mines (applications considered at assistant, associate, and professor levels), anticipated to begin in August 2022. While all qualified candidates are encouraged to apply, the department is especially interested in candidates in the area of intelligent systems, with research specialization in one or more of the following areas, due to their synergies with existing departmental and university strengths: Data-Driven areas (e.g., Machine Learning, Computer Vision, and Database Systems / Data Engineering), Systems-Level areas (e.g., Cybersecurity, Cyber Physical Systems, and Embedded Systems), and Human-Centered areas (e.g., Human-Computer Interaction, Human-Centered Design, and Computing and Social Justice).

Mines encourages applications from qualified candidates who will contribute to the diversity and excellence of our academic community through their research, teaching, and service.

Review of applications will begin immediately.

See details and application link here: https://jobs.mines.edu/cw/en-us/job/495352/teaching-faculty-in-computer-science

Job Requirements:

Minimum Qualifications

- Possess a Ph.D. or M.S. in Computer Science, Computer Engineering, or another closely related field.
- Teaching Assistant Professor: Potential for excellence in teaching and educational service.
- Teaching Associate Professor: Demonstrated record of teaching excellence and evidence of educational service.
- Teaching Full Professor: Demonstrated record of qualifications for Teaching Associate Professor plus leadership and application of educational research.

Preferred Qualifications

- Proven experience leading and teaching multi-section courses.
- Experience teaching introductory programming and core-level courses
- Commitment to diversity, inclusion, and accessibility

Colorado State University

Assistant Professor Artificial Intelligence

The Department of Computer Science at Colorado State University (CSU) invites applications for a tenure-track position at the level of assistant professor beginning Fall 2022 in the area of Artificial Intelligence. The candidate must demonstrate potential for excellence in research, teaching and service. A Ph.D. in computer science or related area is required by the date of appointment.

For full consideration applications should be submitted by 11:59 pm (Mountain Time) on December 5, 2021. For a complete position announcement including minimum qualifications and application instructions, please see https://jobs.colostate.edu/postings/94445

CSU is an EO/EA/AA employer and conducts background checks on all final candidates.

Colorado State University

Assistant Professor Computer Science

The Department of Computer Science at Colorado State University (CSU) invites applications for four tenure-track positions at the level of assistant professor beginning in Fall 2022 in the areas of systems, software engineering, networks, and theory. The candidate must demonstrate potential for excellence in research, teaching and service. A Ph.D. in computer science or related area is required by the date of appointment.

For full consideration applications should be submitted by 11:59 pm (Mountain Time) on November 29, 2021. For a complete position announcement including minimum qualifications and application instructions, please see https://jobs.colostate.edu/postings/93933.

CSU is an EO/EA/AA employer and conducts background checks on all final candidates.
Columbia University

Lecturer-in-Discipline

The Department of Computer Science at Columbia University in the City of New York invites applications for faculty at the rank of Lecturer in Discipline beginning in the 2022-23 academic year. Lecturers in Discipline are full-time non-tenure-track faculty members whose primary responsibility is teaching. Lecturers in the department enjoy voting rights at faculty meetings, and serve on department committees. Senior lecturers earn a Dean’s Leave on a timeline similar to that of sabbatical for tenure-track faculty. The Department of Computer Science is committed to hiring outstanding teachers to support the growing needs of its exceptionally strong undergraduate and graduate programs. Teaching responsibilities for lecturers include courses throughout the computer science curriculum, from introductory to graduate-level courses, with a typical teaching load of two courses per semester.

Applications should be submitted electronically at: http://apply.interfolio.com/97065 and include the following: a cover letter, current CV, teaching statement, brief summary of research, and three letters of recommendation. At least two of the letters of recommendation must address teaching ability. Review of applications will begin on November 1st, 2021 and will continue until the positions are filled.

Columbia University is an Equal Opportunity/Affirmative Action employer – Disability/Veteran.

Columbia University

Faculty (Open Rank)

Columbia Engineering invites applications for a tenure-track faculty position in the Department of Computer Science at Columbia University in the City of New York at all levels, to begin July 1, 2022. Applications are sought in all areas of systems in computer science. Candidates must have a Ph.D. or its professional equivalent by the starting date of the appointment. Applicants for this position must demonstrate the potential to do pioneering research and to teach effectively.

The successful candidate is expected to contribute to the advancement of their field and the department by developing an original and leading externally funded research program, and by contributing to the undergraduate and graduate educational mission of the Department. The Department is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community.

Applications should be submitted electronically: apply.interfolio.com/96799 and include the following: a cover letter, current CV, teaching statement, brief summary of research, and at least three letters of recommendation. At least two of the letters of recommendation must address teaching ability.

REQU RED QUALIFICATIONS: Applicants must have an earned Ph.D. in operations research, computer science, machine learning, statistics, or closely aligned field from a nationally or internationally recognized university by the appointment start date. Candidates must have a demonstrated record of research published in or demonstrated potential to publish in premier journals in operations research and management science.

Appointments will be made at the rank of Assistant Professor, Associate Professor, or Professor, depending on the qualifications of the applicant.

The Department is particularly interested in qualified candidates who can contribute to the diversity and excellence of
the university community. Columbia encourages multi-disciplinary research and collaborations across academic units on the campus. The candidate will benefit from interactions with various faculty from the School of Engineering and Applied Sciences, the Data Science Institute, the Columbia Business School, and the School of Arts and Science.

For additional information and to apply, please see: http://engineering.columbia.edu/faculty-job-opportunities or apply.interfolio.com/94663.

Applications should be submitted electronically and include the following: curriculum vitae including a list of publications, a description of research accomplishments, a statement of research and teaching interests and plans, contact information for three experts who can provide letters of recommendation, and up to three pre/reprints of scholarly work. Applicants are encouraged to submit a statement that discusses their contributions to diversity initiatives.

All applications received by November 19, 2021 will receive full consideration. We will meet candidates who apply early during the INFORMS 2021 Annual Meeting. Inquiries should be directed to facultysearch@ieor.columbia.edu.

Applicants can consult ieor.columbia.edu for more information about the department.

Columbia University is an Equal Opportunity/Affirmative Action employer – Disability/Veteran

Concordia University

Canada Research Chair Tier II in Computing for the Greater Good

The Department of Computer Science and Software Engineering seeks an outstanding emerging researcher for the Canada Research Chair Tier II in the area of computing for the greater good. This is a research-intensive tenure-track faculty position, and the appointment will be at the rank of Assistant Professor, but exceptional candidates at the Associate Professor level will also be considered. The successful candidate is an excellent emerging world-class researcher with demonstrated research creativity, a vision to establish an original and innovative research program of high quality and a drive to become an internationally recognized leader in their area of research in the next five to ten years. The candidate must demonstrate a potential to attract, develop and retain excellent trainees, students and future researchers.

We seek individuals with expertise in research areas pertaining to computing for the greater good, including, but not limited to: bias in machine learning, game theory and mechanism design for social good, social network analysis, data science and privacy, and interest across the domains of computer science, economics, public policy, and sociology. Duties include research, teaching at both the graduate and undergraduate levels, and service to the institution.

Candidates must have completed their PhD in Computer Science or a related discipline, or be near completion at the start date of the appointment. Membership or eligibility for membership in a Canadian professional engineering association, preferably in Quebec, is required.

The language of instruction at Concordia is English, however, knowledge of French is an asset.

Applications should be addressed to: Lata Narayanan, Professor and Chair (email: hiring@cse.concordia.ca) and must include a cover letter clearly identifying the title and position code (21_C_CSSE_O) and articulating their commitment to teach in ways that are relevant for a diverse, multicultural contemporary Canadian society, a detailed curriculum vitae, teaching and research statements, and the names and contact information of four referees.

Electronic applications should be submitted by December 31, 2021 but will continue to be reviewed until the position is filled.

Please see https://www.concordia.ca/ginacody/computer-science-software-eng/about/jobs.html for full details on qualifications and application documents. More information about the Department is available at: www.concordia.ca/cse

Candidates eligible for Tier II chair positions must be excellent emerging scholars within 10 years of their highest degree at the time of nomination (exclusive of career interruptions). Potential Tier II candidates who are more than 10 years from their highest degree should take note that certain
career interruptions may still make them eligible for nomination. Potential candidates are encouraged to submit a formal justification by means of the Tier II Justification Assessment Form, which will be considered in the review of applications. Please consult the Canada Research Chairs website for full program information, including further details on eligibility criteria and acceptable justifications to the extension of the eligibility term.

Concordia University is strongly committed to employment equity within its community, and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, members of visible minorities, Indigenous persons, members of sexual minorities, persons with disabilities, and others who may contribute to diversification; candidates are invited to self-identify in their applications.

Concordia University
Tenure-track positions in Computer Science

The Department of Computer Science and Software Engineering invites applications for three tenure-track positions in the following areas:

- Computational Biology and Computational Biomedicine: Position code 21_T_CSSE_M
- Human-Computer Interaction: m-Health: Position code 21_T_CSSE_M2
- Quantum Computing: Position code 21_T_CSSE_O

These are tenure-track positions at the rank of Assistant Professor, but exceptional candidates at the Associate Professor level will also be considered. The main criteria for selection are scholarly and teaching excellence. The successful candidate will provide evidence of high-quality scholarly output that demonstrates potential for independent research leading to peer assessed publications, and the securing of external research funding, as well as strong potential for outstanding teaching contributions at both the undergraduate and graduate levels. Industry experience or applications of research to industry will be considered an asset. The Department values diversity among its faculty and strongly encourages applications from women and members of underrepresented groups.

Duties include research, teaching at both the graduate and undergraduate levels, and service to the institution. Candidates must have completed their PhD in Computer Science or a related discipline, or be near completion at the start date of the appointment. Membership or eligibility for membership in a Canadian professional engineering association, preferably in Quebec, is required.

The language of instruction at Concordia is English, however, knowledge of French is an asset.

Applications should be addressed to: Lata Narayanan, Professor and Chair (email: hiring@cse.concordia.ca) and must include a cover letter clearly identifying the title and position code and articulating their commitment to teach in ways that are relevant for a diverse, multicultural contemporary Canadian society, a detailed curriculum vitae, teaching and research statements, and the names and contact information of four referees.

Electronic applications should be submitted by December 31, 2021 but will continue to be reviewed until the position is filled.

Please see https://www.concordia.ca/ginacody/computer-science-software-eng/about/jobs.html for full details on qualifications and application documents. More information about the Department is available at: www.concordia.ca/cse

Concordia University is strongly committed to employment equity within its community, and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, members of visible minorities, Indigenous persons, members of sexual minorities, persons with disabilities, and others who may contribute to diversification; candidates are invited to self-identify in their applications.

Concordia University
Gina Cody Research Chair in Computer Science

The Department of Computer Science and Software Engineering seeks an outstanding established scholar or emerging researcher for the Gina Cody Research Chair in Computer Science at the rank of Assistant, Associate or Full Professor. The ideal candidate is an internationally recognized researcher.
with an exceptional scholarly record, who has proven leadership qualities, or an emerging researcher with the potential to be a leader in their field. The candidate is expected to demonstrate a commitment to the supervision of Masters and PhD students and attract strong external funding. The five-year research chair is renewable and comes with an attractive research funding package. We seek individuals with interests in any and all areas of computer science including, but not limited to: artificial intelligence; machine learning including deep learning and reinforcement learning; quantum computing and quantum machine learning; software design; natural language processing; computer vision; robotics; medical imaging; computer graphics; computer games; computational models and algorithms; databases and big data analytics; high performance computing; financial computing and analytics. Duties include research, teaching at both the graduate and undergraduate levels, and service to the institution.

Candidates must have completed their PhD in Computer Science or a related discipline, or be near completion at the start date of the appointment. Membership or eligibility for membership in a Canadian professional engineering association, preferably in Quebec, is required.

The language of instruction at Concordia is English, however, knowledge of French is an asset.

Applications should be addressed to: Lata Narayanan, Professor and Chair (email: hiring@cse.concordia.ca) and must include a cover letter clearly identifying the title and position code (18_C_CSSE_M) and articulating their commitment to teach in ways that are relevant for a diverse, multicultural contemporary Canadian society, a detailed curriculum vitae, teaching and research statements, and the names and contact information of four referees.

Electronic applications should be submitted by December 31, 2021 but will continue to be reviewed until the position is filled.

Please see https://www.concordia.ca/ginacody/computer-science-software-eng/about/jobs.html for full details on qualifications and application documents. More information about the Department is available at www.concordia.ca/cse

Concordia University is strongly committed to employment equity within its community, and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, members of visible minorities, Indigenous persons, members of sexual minorities, persons with disabilities, and others who may contribute to diversification. Candidates are invited to self-identify in their applications.

Concordia University

Tenure-track positions in Computer Science

The Department of Computer Science and Software Engineering invites applications for three tenure-track positions in the following areas:

- Computational Biology and Computational Biomedicine: Position code 21_T_CSSE_M
- Human-Computer Interaction: m-Health: Position code 21_T_CSSE_M2
- Quantum Computing: Position code 21_T_CSSE_O

These are tenure-track positions at the rank of Assistant Professor, but exceptional candidates at the Associate Professor level will also be considered. The main criteria for selection are scholarly and teaching excellence. The successful candidate will provide evidence of high-quality scholarly output that demonstrates potential for independent research leading to peer assessed publications, and the securing of external research funding, as well as strong potential for outstanding teaching contributions at both the undergraduate and graduate levels. Industry experience or applications of research to industry will be considered an asset. The Department values diversity among its faculty and strongly encourages applications from women and members of underrepresented groups.

Duties include research, teaching at both the graduate and undergraduate levels, and service to the institution.

Candidates must have completed their PhD in Computer Science or a related discipline, or be near completion at the start date of the appointment. Membership or eligibility for membership in a Canadian professional engineering association, preferably in Quebec, is required.

The language of instruction at Concordia is English, however, knowledge of French is an asset.
Applications should be addressed to: Lata Narayanan, Professor and Chair (email: hiring@cse.concordia.ca) and must include a cover letter clearly identifying the title and position code and articulating their commitment to teach in ways that are relevant for a diverse, multicultural contemporary Canadian society, a detailed curriculum vitae, teaching and research statements, and the names and contact information of four referees.

Electronic applications should be submitted by December 31, 2021 but will continue to be reviewed until the position is filled.

Please see https://www.concordia.ca/ginacody/computer-science-software-eng/about/jobs.html for full details on qualifications and application documents. More information about the Department is available at: www.concordia.ca/cse

Concordia University is strongly committed to employment equity within its community, and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, members of visible minorities, Indigenous persons, members of sexual minorities, persons with disabilities, and others who may contribute to diversification; candidates are invited to self-identify in their applications.

**Connecticut College**

*Assistant Professor - Computer Science*

Assistant Professor - Computer Science

Connecticut College is seeking to expand its Computer Science Department and invites applications for a tenure-track position at the rank of Assistant Professor to begin in Fall 2022. We seek a new member whose research is in the areas of data analytics, intelligent cloud, big data, data mining, and machine learning. Candidates should have an active research program in our areas of interest, a strong commitment to excellence in undergraduate teaching, and the potential to conduct research in a liberal arts setting.

Review of applications will start on January 20, 2022.

For detailed information visit http://apply.interfolio.com/95554.

**Dalhousie University**

*Tenure-Stream Assistant Professor Positions (3)*

The Faculty of Computer Science at Dalhousie University (https://www.cs.dal.ca) invites applications for up to three tenure-stream Assistant Professor positions in any area of Computer Science.

**About the Faculty of Computer Science:** The Faculty of Computer Science is a research focused faculty with over 50 faculty members, including Tier I and Tier II Canadian Research Chairs. Around one quarter of our 2000 students are enrolled in master’s or doctoral programs. The Faculty also partners with other Faculties and departments (including management, medicine, law and statistics) to offer various multi-disciplinary study streams under the Master of Digital Innovation and is an active participant in the Interdisciplinary PhD program.

Dalhousie’s Faculty of Computer Science offers a supportive, inclusive, multicultural, research-oriented environment with a firm commitment to justice, equality, diversity and inclusion. The Faculty offers reasonable teaching loads (with excellent TA support), and competitive pay and benefits (including health insurance, dental insurance and an exceptional pension plan). The Faculty supports new hires with moving assistance and start-up funding. Early-career researchers will enjoy the collaborative lab environment; mentoring; peer support for teaching, research, and grant writing; and extensive ties to local industry.

---

**About Dalhousie University:** Dalhousie University is one Canada’s U15 group of research-intensive universities. The funding situation is excellent: active researchers have many opportunities for both investigator-led operating grants and support for industry collaboration.

Dalhousie is located in Halifax, Nova Scotia, Canada (http://www.discoverhalifaxns.com). Halifax is the largest city in Atlantic Canada and is vibrant, multicultural, and welcomes many newcomers. It is also a regional tech hub, and affords residents with a high quality of life. We enjoy a wide variety of restaurants, parks, playgrounds, watersports in the summer, snow sports in the winter, a vast number of arts and cultural events, an excellent library system, and a passable public transit system. Nova Scotia is home to many beautiful communities, campgrounds, trails, lakes, rivers, beaches, lighthouses and opportunities for running, hiking, cycling, ATVing, boating and generally exploring the
great outdoors. Located in one of Canada’s more temperate areas, Nova Scotia gets warm, sunny summers, long, colorful autumns and cool, snowy winters.

Dalhousie University is committed to fostering a collegial culture grounded in diversity and inclusiveness. The university encourages applications from Indigenous persons, persons with a disability, racially visible persons, women, persons of a minority sexual orientation and/or gender identity, and all candidates who would contribute to the diversity of our community. For more information, please visit https://www.dal.ca/hiringfordiversity. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Qualifications: The successful candidate will provide evidence of high-quality scholarly output that demonstrates a record of independent research. The candidate must hold a PhD in Computer Science or a related area by the appointment date. Evidence of a strong commitment to and aptitude for both research and teaching is essential. The ideal candidate will be open to collaborative research across disciplines.

The successful candidate will teach both undergraduate and graduate courses, participate in course development at both the undergraduate and graduate-level, supervise and mentor students, and support the Faculty’s initiatives. The applicant will be expected to establish a strong externally funded research program, and foster existing and new collaborations with government, industry, and with other members of Dalhousie’s research community.

A successful candidate with a high level of research activity in the area of artificial intelligence may be recommended for a Canada CIFAR Artificial Intelligence Chair and/or an affiliation to the Vector Institute.

Application Instructions: Applications must include an application letter, curriculum vitae, statements of research and teaching interests, sample publications, and the names and full contact information of three referees. Applicants are encouraged to indicate in their research statement how they see their research fit in one or more of the Faculty’s research concentrations, described in https://www.dal.ca/faculty/computerscience/research-industry/fcs_research.html. The Faculty is particularly interested in building further strength in its research areas in computer science education, visual analytics, distributed systems, and deep learning.

Review of applications will commence on December 15, 2021. However, applications will be accepted and reviewed until the position is filled.

All application materials should be submitted directly at http://dal.peopleadmin.ca/postings/7540 except for the letters of reference. Candidates should be prepared to have their referees forward their letters of reference upon request.

---

DePauw University

Assistant Professor of Computer Science

The Department of Computer Science at DePauw University invites applications for a tenure-track position beginning in August 2022. A Ph.D. in Computer Science or closely related field is preferred; specialty is open. Candidates currently pursuing a doctoral degree will be considered.

Consult the full job ad at https://apply.interfolio.com/97630 for details and to apply.

Drake University

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science seeks an outstanding teacher and promising scholar for a tenure-track position in Computer Science at the rank of Assistant Professor beginning Fall 2021. A Ph.D. completed by August 2021 in Computer Science or a related area is required. Applicants from all areas of computer science are welcome to apply. The course load is 3-3. Salary is competitive with peer schools. Drake University is an equal opportunity employer (EEO).

Applicants should submit electronically: a letter of application, curriculum vitae, description of teaching experience, teaching philosophy, research agenda, diversity statement, and contact information for three references, at least two of whom can address teaching, through Hire Touch: https://www.drake.edu/hr. Questions may be directed to the
search chair, Chris Porter, at christopher.porter@drake.edu.

Review of applicants will begin November 15, 2021 and will continue until the position is filled.

Drexel University

College of Computing and Informatics (CCI)

Full-time Teaching Faculty Position

The College of Computing and Informatics (CCI) invites applications for a full-time teaching faculty position in Business Information Technology. CCI is located in a state-of-the-art facility with classrooms, research, and student labs with abundant space promoting collaboration and innovation. CCI offers a Bachelor of Science (BS), Master of Science (MS), and Doctor of Philosophy (PhD) degrees spanning areas of Computing and Informatics including new degrees such as MS in Data Science, and MS in Information, and MS in Business Information Technology, in partnership with the LeBow College of Business. In addition, CCI offers a wide range of job-oriented, stackable certificates that provide industry driven skills-based training while also serving as a pathway to MS-level programs.

The ideal Business Information Technology candidate is expected to have:

• Expertise as well as industry experience in one or more specialized areas of business information technology including:
  » Cloud Technology, Cloud Security, and Virtual Environments
  » Disaster Recovery, Continuity Planning, and Digital Risk Assessment
  » Management of Enterprise Business Information Infrastructure
  » Software Architecture, Deployment, and Management

• Experience in the deployment of enterprise software applications supporting digital transformation

• Teaching and or training experience in face-to-face and/or online learning environments

• A graduate degree in a relevant field

Applicants should submit a cover letter, curriculum vitae (CV) or resume, a brief statement on teaching/training experience and relevant professional experience and contact information for three professional references. Please apply at https://careers.drexel.edu/en-us/job/497195.

Letters of reference (electronic submissions in PDF format are required) will be requested from candidates who are invited for a campus interview. This position is located in Philadelphia, PA.

Drexel University

College of Computing & Informatics

Multiple Tenure-Track Positions in Information Science

The Department of Information Science invites applications for two tenure-track and tenured faculty positions at the Assistant Professor and Associate Professor levels. Preference will be given to applicants in the areas of Usable Security and Privacy and Artificial Intelligence for Health Sciences. We encourage applications from candidates with an interest in using these areas of expertise to solve socially relevant problems.

Job Expectations

A successful candidate will possess technical expertise appropriate for their areas of research and will be comfortable and committed to working in a collaborative and multidisciplinary environment.

Drexel University is dedicated to building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment. As an Equal Opportunity Employer, Drexel encourages applications from women, minorities, individuals with disabilities and veterans to apply, and will consider all qualified applicants for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.
Professional Opportunities

The Department of Computer Science at Drexel University invites applications for multiple tenure-track and tenured faculty positions at the Assistant Professor and Associate Professor levels. Preference will be given to applicants in the areas of Security & Privacy and Game AI. Candidates should have a Ph.D. in Computer Science or a related field by the time of appointment, as well as a record of high-quality scholarly activities. Applicants for senior positions are expected to have demonstrated exceptional leadership in large-scale, multidisciplinary research programs.

Drexel University is an R1 private university committed to research with real-world applications. The university has over 24,000 students in 15 colleges and schools, and offers one of the largest and best-known cooperative education programs in the country, with over 1,600 co-op employers. Drexel is located on Philadelphia’s “Avenue of Technology” in the University City district, a hub of academic, cultural, and historical resources in the nation’s eighth-largest metropolitan region.

The Department of Computer Science is one of two departments in Drexel’s College of Computing and Informatics (CCI). The college is uniquely positioned as an interdisciplinary and entrepreneurial research and education leader for the 21st century and offers trailblazing research and education to drive innovation to the digital future. CCI is now home to over 2000 students, has introduced innovative programs in AI and Machine Learning and in Data Science, and just recently relocated to a brand-new building with state-of-the-art equipment and facilities.

With a commitment to further expand and grow the faculty in key areas of strength, we seek intellectually curious and rigorous candidates to engage in cutting-edge research and teaching. Successful applicants will be expected to establish strong sponsored research programs, teach at the undergraduate and graduate levels, advise and mentor Ph.D. students, and engage in service to the department, college, university, and the global academic community.

Applicants should submit a cover letter, CV/resume, and list of references, as well as research, teaching, and diversity statements. Please apply online at https://careers.drexel.edu/en-us/job/496960. Applications must be submitted online at Drexel Careers to be considered. Evaluation of applications will be conducted on a rolling basis. Applicants should apply by February 1, 2022, for full consideration.

We are especially interested in qualified candidates who can contribute to the diversity and excellence of the academic community. Drexel University is an Equal Opportunity/Affirmative Action employer, welcomes individuals from diverse backgrounds and perspectives, and believes that an inclusive and respectful environment enriches the University community and the educational and employment experience of its members. The University prohibits discrimination against individuals on the basis of race, color, national origin, religion, sex, sexual

Drexel University

College of Computing & Informatics
Tenure-Track Positions in Computer Science

environment. The applicant will be expected to establish a high-quality, high-impact sponsored research program, teach at the undergraduate and graduate levels, and advise and mentor Ph.D. students. Tenure-track faculty are expected to provide service to the Department and University commensurate with rank.

Applicants should submit a cover letter, CV/resume, list of references, and statements describing their research program and teaching interests. Applicants are encouraged to use teaching and research statements to reflect on their experiences in promoting diversity and inclusion. To be considered, applications must be submitted online through Drexel Careers.

Evaluation of applications will be conducted on a rolling basis. Applicants should apply by November 30th, 2021, for full consideration.

Please apply online at https://careers.drexel.edu/en-us/job/497038/tenure-track-faculty-information-science

Background investigations are required for all new hires as a condition of employment, after the job offer is made. Employment may not begin until the University accepts the results of the background investigation.

For more information about Drexel University, please visit www.drexel.edu.
orientation, disability, age, status as a veteran or special disabled veteran, gender identity or expression, genetic information, pregnancy, childbirth or related medical conditions and any other prohibited characteristic.

Background investigations are required for all new hires as a condition of employment, after the job offer is made. Employment may not begin until the University accepts the results of the background investigation.

For more information about Drexel University, please visit www.drexel.edu.

Duke University
AI/ML/Computational Economics Tenure-Track or Tenured Faculty Position in Computer Science

The Department of Computer Science at Duke University in Durham, North Carolina, invites applications and nominations for tenure-track or tenured faculty positions at all ranks, in the areas of artificial intelligence, machine learning, and computational economics. We are particularly but not exclusively interested in candidates who apply their strong theoretical, algorithmic, and computational skills to areas of societal interest.

Candidates are expected to have a doctoral degree in computer science or a related field. A successful candidate must have a solid disciplinary foundation and demonstrate the promise of outstanding scholarship in every regard, including research and teaching. A successful candidate at the full professor level is expected to take a significant departmental and university leadership role in strengthening the important strategic area of artificial intelligence.

Applicants should submit their materials (cover letter, curriculum vita, research statement, teaching statement, contacts for at least three references) electronically through AcademicJobsOnline (https://academicjobsonline.org/ajo/jobs/19916), and solicit letters of reference. For full consideration, applications and references should be received by December 15, 2021.

Computing is a focus area of Duke Science and Technology (DST), a signature initiative at Duke supported by significant philanthropic investment that involves strategic recruitment of exceptional faculty. Candidates in the field of computing who applied to the DST search will be automatically considered by our departmental search committees.

Duke is committed to further enhancing the diversity of its faculty and students. We seek faculty members who are also committed to building a diverse and inclusive community, which fosters excellence in research and teaching. We strongly encourage applications from women and underrepresented minorities in computing. Please see www.cs.duke.edu and www.faculty.duke.edu for information about the Department and advantages that Duke offers to faculty.

Duke aspires to create a community built on collaboration, innovation, creativity, and belonging. Our collective success depends on the robust exchange of ideas—an exchange that is best when the rich diversity of our perspectives, backgrounds, and experiences flourishes. To achieve this exchange, it is essential that all members of the community feel secure and welcome, that the contributions of all individuals are respected, and that all voices are heard. All members of our community have a responsibility to uphold these values.

Duke University
Open Rank Tenure-Track Faculty Positions – Machine Learning, Data Science, Biostatistics

The Duke University Department of Biostatistics and Bioinformatics invites applications for multiple tenure-track faculty positions in all aspects of machine learning, artificial intelligence, data science, or biomedical informatics. Successful candidates will have a strong interest in motivating their theoretical and/or algorithmic research by data and needs in health, prevention, or healthcare, including health equity and equity and diversity more broadly. Example application areas include machine learning or causal discovery/inference.
from electronic health records or other observational clinical data, socioeconomic determinants of health, medical image data, mobile health data, and/or microbiome or -omics data. Particular attractions of this position include the exceptional data and translational opportunities of Duke Health and the School of Medicine and the opportunity for a flexible teaching load in order to optimize research productivity and impact. The Department of Biostatistics and Bioinformatics has Masters and PhD programs, and our algorithmic-oriented faculty also supervise Ph.D. students in other leading programs on campus. Duke has an exceptional history in healthcare innovation, and Durham and the Research Triangle form a vibrant community with an outstanding climate intellectually, culturally, and for year-round physical activity and recreation.

Applicants should hold a Ph.D. in Computer Science, Computer Engineering, Statistics, Biomedical Informatics, Bioinformatics, Biostatistics, or a related field by the date of the start of their appointment. Joint appointments with other departments are possible for appropriate candidates. The application package should include a cover letter accompanied by a one-page diversity statement, a curriculum vitae, and a three-page statement of research (organized as a one-page summary of past research accomplishments and a two-page summary of your future research plans), and 3 letters of recommendation. All applications should be submitted through: https://academicjobsonline.org/ajo/jobs/19794.

Diversity and Inclusion: Duke University is an Equal Opportunity-Affirmative Action Employer. Candidates with backgrounds underrepresented in science are especially encouraged to apply.

The diversity statement should address why the candidate believes diversity and inclusion are important with examples from their experiences and plans for future contributions. More information about the department’s diversity, inclusion, and antiracist work can be found at: https://biostat.duke.edu/about/diversity-and-inclusion

Important Dates: Applications should be received by November 15, 2021, for full consideration. Top candidates will be invited to a virtual symposium in mid-December to present their research and future plans.

Duke University
Open Rank Faculty Positions

The Duke University Department of Biostatistics and Bioinformatics invites applications for multiple non-tenure-track faculty positions in clinical informatics and biostatistics. Potential areas of research emphasis include health equity, data standardization, data harmonization, innovative clinical trials design, and causal inference. The Department of Biostatistics and Bioinformatics has Masters and PhD programs, as well as opportunities to supervise post-docs and Masters and PhD staff. This position also has the unique opportunity to also be part of the prestigious Duke Clinical Research Institute (DCRI). Duke and DCRI have an exceptional history in healthcare innovation, and Durham and the Research Triangle form a vibrant community with an outstanding climate intellectually, culturally, and for year-round physical activity and recreation.

Applicants should hold a Ph.D. in Computer Science, Computer Engineering, Statistics, Biomedical Informatics, Bioinformatics, Biostatistics, or a related field by the date of the start of their appointment. Joint appointments with other departments are possible for appropriate candidates. The application package should include a cover letter accompanied by a one-page diversity statement, a curriculum vitae, and a three-page statement of research (organized as a one-page summary of past research accomplishments and a two-page summary of your future research plans), and 3 letters of recommendation. All applications should be submitted through: https://academicjobsonline.org/ajo/jobs/19795.

Diversity and Inclusion: Duke University is an Equal Opportunity-Affirmative Action Employer. Candidates with backgrounds underrepresented in science are especially encouraged to apply. The diversity statement should address why the candidate believes diversity and inclusion are important with examples from their experiences and plans for future contributions. More information about the department’s diversity, inclusion, and antiracist work can be found at: https://biostat.duke.edu/about/diversity-and-inclusion

Important Dates: Applications should be received by November 15, 2021, for full consideration. Top candidates will be invited to a virtual symposium in mid-December to present their research and future plans.

Duke University
Tenure-Track or Tenured Cybersecurity Faculty Positions in Computer Science/ Electrical and Computer Engineering

The Department of Computer Science (CS) and the Department of Electrical
and Computer Engineering (ECE) at Duke University jointly invite applications and nominations for tenure-track or tenured faculty positions in the area of computer security. Candidates will be considered for appointments in CS, ECE, or jointly in both departments. We are particularly interested in candidates who combine security with human-computer interaction, hardware, programming languages, machine learning, or formal methods/verification, or those who work on post-quantum cryptography.

Candidates are expected to have a doctoral degree in computer science, electrical and computer engineering, or a related field. A successful candidate must have a solid disciplinary foundation and demonstrate the promise of outstanding scholarship in every regard, including research and teaching.

Applicants should submit their materials (cover letter, curriculum vita, research statement, teaching statement, contacts for at least three references) electronically through AcademicJobsOnline (https://academicjobsonline.org/ajo/jobs/20145), and solicit letters of reference. For full consideration, applications and references should be received by December 15, 2021.

Computing is a focus area of Duke Science and Technology (DST), a signature initiative at Duke supported by significant philanthropic investment that involves strategic recruitment of exceptional faculty. Relevant candidates in the field of computing who applied to the DST search will be automatically considered by this search committee. The CS and ECE departments at Duke have a proven track record of collaborating in computing research, educational initiatives, and faculty search.

Duke is committed to further enhancing the diversity of its faculty and students. We seek faculty members who are also committed to building a diverse and inclusive community, which fosters excellence in research and teaching. We strongly encourage applications from women and underrepresented minorities in computing. Please see www.cs.duke.edu, www.ece.duke.edu and www.faculty.duke.edu for information about the departments and advantages that Duke offers to faculty.

Duke University is an Affirmative Action/Equal Opportunity Employer committed to providing employment opportunity without regard to an individual’s age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or veteran status.

East Tennessee State University
Chair, Department of Computing

East Tennessee State University (ETSU) invites applications for the position of Chair of the Department of Computing in the College of Business and Technology. This tenure track position includes a concurrent appointment as a faculty member at the rank of associate or full professor.

ETSU’s Department of Computing offers professionally oriented Undergraduate (B.S.) and Graduate (M.S.) degree programs in computer and information science and a Graduate Certificate in Data Analytics. Emphases include software engineering, database management, data analytics, operating and distributed systems, networking, cybersecurity, artificial intelligence, and enterprise information systems such as SAP. The Department has approximately 400 undergraduate majors and 60 M.S. degree students. The faculty and staff are composed of 23 faculty.

For more information, please contact Todd Emma at emma@etsu.edu.

See the job announcement for a detailed description of the position and application instructions. https://jobs.etsu.edu/postings/20145
Professional Opportunities

Florida International University
Non-Tenure Track Asst. Teaching Professor

Florida International University is Miami’s public research university, focused on student success. According to U.S. News and World Report, FIU has 42 top-50 rankings in the nation among public universities. FIU is a top U.S. research university (R1), with more than $200 million in annual expenditures. FIU ranks 15th in the nation among public universities for patent production, which drives innovation, and is one of the institutions that helps make Florida the top state for higher education. The Next Horizon fundraising campaign is furthering FIU’s commitment to providing students Worlds Ahead opportunities. Today, FIU has two campuses and multiple centers, and supports artistic and cultural engagement through its three museums: Patricia & Phillip Frost Art Museum, the Wolfsonian-FIU, and the Jewish Museum of Florida-FIU. FIU is a member of Conference USA, with more than 400 student-athletes participating in 18 sports. The university has awarded more than 330,000 degrees to many leaders in South Florida and beyond. For more information about FIU, visit www.fiu.edu.

The Knight Foundation School of Computing and Information Sciences (KFSCIS) is a rapidly growing program of excellence at Florida International University (FIU). The School has 52 faculty members, and over 3,300 students, including 92 Ph.D. students, and close to 250 M.S. students. The School is engaged in on-going and exciting new and expanding programs for research, education, and outreach. The School offers B.A., B.S., M.S., and Ph.D. degrees in Computer Science, B.S. in Cybersecurity and Information Technology, and M.S. degrees in Telecommunications and Networking, Cyber-security, Data Science, and Information Technology. NSF HERD report ranks FIU #41 in R&D research expenditures in computer and information sciences. SCIS has six research centers/clusters with first-class computing and support infrastructure and enjoys broad and dynamic industry and international partnerships. Computer Science has been identified as one of the University’s strategic growth areas, launching new expansion plans to educate and train technology talent for the burgeoning South Florida Tech Hub. We anticipate adding several teaching-track faculty positions over the next few years, as we surge to become one of the nation’s top Computer Science programs. As such, we invite top researchers and educators with outstanding credentials to join our team and share this exciting journey with us.

(Non-Tenure Track) Asst. Teaching Professor Positions (Job ID#)

The Knight Foundation School of Computing and Information Sciences seeks exceptionally qualified candidates for multiple non-tenure track teaching faculty positions at the level of Assistant Teaching Professors. Ideal candidates must be committed to excellence in teaching a variety of courses offered by the school. Candidates who employ innovative, evidence-based teaching pedagogies are particularly encouraged to apply. A Master’s degree in Computer Science or related disciplines is required and a PhD degree is preferred. While this position is not a tenure track position it does have a promotion progression for our teaching faculty. Teaching faculty are eligible for consideration for promotion after five years.

Qualified candidates are encouraged to apply to Job Opening ID 525278 at facultycareers.fiu.edu and attach cover letter, curriculum vitae, statement of teaching philosophy, diversity statement, optionally research statement, etc. Candidates will be requested to provide names and contact information for at least three references who will be contacted upon as determined by the search committee.

Review will start on November 20th, 2021 and continue until position is filled.

KFSCIS is strongly committed to increasing the diversity of our faculty and welcomes applications from women, dual-career couples, historically underrepresented populations and candidates with disabilities.

Florida Statute 1010.35 - Screening Foreign Researchers

Pursuant to Florida law, any citizen of a foreign county who is not a permanent resident of the U.S., or who is a citizen or permanent resident but is affiliated with or has had at least 1 year of employment or training in China, Russia, Iran, North Korea, Cuba, Venezuela, or Syria is subject
Professional Opportunities

to additional screening. Applicants meeting those criteria will be required to provide the following information in the application: every institution of higher education attended; all previous employment since the applicant’s 18th birthday; list of all published material, current and pending research funding from any source, including details about the research, your role, funding source, and amount; list and description of any non-university professional activities; any affiliation with an institution or program in a foreign country; a complete copy of your passport; the most recently submitted DS-160 (Online Nonimmigrant Visa Application).

Clery Notice

In compliance with the Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act, the University Police department at Florida International University provides information on crimes statistics, crime prevention, law enforcement, crime reporting, and other related issues for the past three (3) calendar years. The FIU Annual Security report is available online at: https://police.fiu.edu/download/annual-security-fire-safety-report/.

To obtain a paper copy of the report, please visit the FIU Police Department located at 885 SW 109th Avenue, Miami, FL, 33199 (PG5 Market Station).

Pay Transparency

Florida International University will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. However, employees who have access to the compensation information of other employees or applicants as a part of their essential job functions cannot disclose the pay of other employees or applicants to individuals who do not otherwise have access to compensation information, unless the disclosure is (a) in response to a formal complaint or charge, (b) in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or (c) consistent with the contractor’s legal duty to furnish information.

FIU is a member of the State University System of Florida and an Equal Opportunity, Equal Access Affirmative Action Employer all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Open-Rank Tenure Track/ Tenured Positions #

The Knight Foundation School of Computing and Information Sciences (KFSCIS) is a rapidly growing program of excellence at Florida International University (FIU). The School has 34 tenure-track faculty members and over 3,300 students, including 92 Ph.D. students, and close to 250 M.S. students. The School is engaged in ongoing and exciting new and expanding programs for research, education, and outreach. The School offers B.A., B.S., M.S., and Ph.D. degrees in Computer Science, B.S. in Cybersecurity and Information Technology, and M.S. degrees in Telecommunications and Networking, Cyber-security, Data Science, and Information Technology. NSF HERD report ranks FIU #41 in R&D
Professional Opportunities

Computer Science has been identified as one of the University’s strategic growth areas, launching new expansion plans to educate and train technology talents for the burgeoning South Florida Tech Hub. We aim to add several new tenured and tenure track faculty members this year. These positions address a large-scale hiring effort at KFSCIS whereby we look to hire over 20 new faculty over the next few years as we surge to become one of the nation’s top Computer Science programs. As such, we invite top researchers and educators with outstanding credentials to join our team and share this exciting journey with us.

The Knight Foundation School of Computing and Information Sciences encourages applications for multiple tenured and tenure-track faculty positions at all ranks. Candidates with expertise in various areas of Computer Science, especially in interdisciplinary areas, will receive full consideration. Ideal candidates for junior positions should have a record of exceptional research in their early careers with demonstrated abilities to pursue and lead a research program. Candidates for senior positions must have an active and sustainable record of excellence in funded research, publications, and professional service, as well as demonstrated leadership in collaborative or interdisciplinary projects. All successful applicants must be committed to teaching excellence at both graduate and undergraduate levels. Applications are also encouraged from candidates with highly transformative research programs that extend the frontier of computing across disciplines.

A Ph.D. in Computer Science or related disciplines is required. KFSCIS is strongly committed to increasing the diversity of our faculty and welcomes applications from women, historically underrepresented population, and candidates with disabilities. KFSCIS is committed to addressing the family needs of faculty, including dual-career couples and single parents.

Qualified candidates for Open-Rank Tenure-Track/Tenured faculty positions are encouraged to apply to 525175. Visit https:// facultycareers.fiu.edu/ and attach cover letter, curriculum vitae, statement of teaching philosophy, research statement, and diversity statement (encouraged but not mandatory). Candidates are required to provide names and contact information for at least three references who will be contacted as determined by the search committee. We will start to review applications on November 8th. Applications will be accepted until the position is filled.

Florida Statute 1010.35 - Screening Foreign Researchers

Pursuant to Florida law, any citizen of a foreign county who is not a permanent resident of the U.S., or who is a citizen or permanent resident but is affiliated with or has had at least 1 year of employment or training in China, Russia, Iran, North Korea, Cuba, Venezuela, or Syria is subject to additional screening. Applicants meeting those criteria will be required to provide the following information in the application: every institution of higher education attended; all previous employment since the applicant’s 18th birthday; list of all published material, current and pending research funding from any source, including details about the research, your role, funding source, and amount; list and description of any non-university professional activities; any affiliation with an institution or program in a foreign country; a complete copy of your passport; the most recently submitted DS-160 (Online Nonimmigrant Visa Application).

Clery Notice

In compliance with the Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act, the University Police department at Florida International University provides information on crimes statistics, crime prevention, law enforcement, crime reporting, and other related issues for the past three (3) calendar years. The FIU Annual Security report is available online at: https://police.fiu.edu/download/annual-security-fire-safety-report/.

To obtain a paper copy of the report, please visit the FIU Police Department located at 885 SW 109th Avenue, Miami, FL, 33199 (PG5 Market Station).

Pay Transparency

Florida International University will not discharge or in any other manner
discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. However, employees who have access to the compensation information of other employees or applicants as a part of their essential job functions cannot disclose the pay of other employees or applicants to individuals who do not otherwise have access to compensation information, unless the disclosure is (a) in response to a formal complaint or charge, (b) in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or (c) consistent with the contractor’s legal duty to furnish information.

FIU is a member of the State University System of Florida and an Equal Opportunity, Equal Access Affirmative Action Employer all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Fordham University
Tenure track Assistant Professor Positions

The Department of Computer and Information Sciences at Fordham University offers undergraduate programs at Fordham’s Rose Hill campus in the Bronx and Lincoln Center campus in Manhattan, master of science programs in Computer Science, Data Science, and Cybersecurity at its Lincoln Center campus, and Ph.D. in Computer Science (starting Fall 2022). The department actively participates in joint instruction and research through the interdisciplinary integrative neuroscience program, in collaboration with Biology, Natural Sciences, and Psychology departments. Fordham University has been designated by the National Security Agency and the Department of Homeland Security as a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE). For information about the department, visit http://www.cis.fordham.edu.

Fordham University invites applications for two tenure track Assistant Professor Positions in the Department of Computer and Information Science (CIS) to start in Fall 2022. We welcome candidates in the areas of data science, computational neuroscience, bioinformatics, artificial intelligence, theoretic computer science, and cybersecurity to apply.

The positions require a Ph.D. in Computer Science or related fields, a commitment to teaching excellence, good communication skills, and demonstrated research potential with the ability to attract external research funding.

Applications can be electronically submitted to Interfolio Scholar Services through the following links. The following are required: (1) Cover letter with qualifications, (2) Curriculum vitae, (3) Research Statement, (4) Teaching Statement (5) Sample scholarship, and (6) At least three letters of recommendation.

• For candidates in data science, AI, theoretic computer science and cybersecurity, apply at: http://apply.interfolio.com/98699, and contact Dr. Yanjun Li (yli@fordham.edu) for inquiries.
• For candidates in computational neuroscience, bioinformatics and related fields, apply at: http://apply.interfolio.com/57950, and contact Dr. Daniel Leeds (dleeds@fordham.edu) for inquiries.

Applications will be accepted until the position is filled, however, it is recommended that you submit your application by March 1st, 2022.

Fordham University is proud to be one of only 13 institutions specifically designated in Ambassador Luce’s bequest to receive funding in perpetuity to support women in STEM; this support includes opportunities for Fordham students as well as funding for a Clare Boothe Luce Professorship. The finalist for this faculty position may also be eligible for further consideration for a Clare Boothe Luce Professorship for beginning tenure-track faculty.

Fordham is an independent, Catholic University in the Jesuit tradition committed to excellence through diversity. Fordham is an equal opportunity employer, and we especially encourage women, people of color, veterans and people with disabilities to apply.

Fundação Getulio Vargas -Brazil
Open Rank Faculty Position in Data Science

The School of Applied Mathematics at Fundação Getulio Vargas (FGV EMAp) in
Rio de Janeiro, Brazil, invites applications for one open-rank faculty position in Data Science to strengthen and complement our existing research activity in this area.

We are looking for established researchers (associate/full professor) or outstanding young researchers (assistant professors). Applications are welcome from applicants who have demonstrated research and teaching expertise, focusing on one or more of the following areas: machine learning, artificial intelligence, natural language processing, data visualization, computer vision, and scalable computing.

The successful candidate is expected to develop an externally funded research program in data science, publish in high-impact journals, supervise research (postgraduate) students, teach at both undergraduate and graduate levels, and provide service to the department and institution. Peer-reviewed external funding is expected to be obtained and sustained. Industrial partnerships are also strongly encouraged.

**DEADLINE**

Applications received by December 10, 2021, will receive full consideration. However, applications are welcome until the position is filled. Applications will be evaluated as they are received.

The link to the formal announcement is below:

https://emap.fgv.br/noticias/open-rank-professor-data-science

---

**Professional Opportunities**

**George Mason University**

*Department of Computer Science*

**Multiple Open-Rank, Tenure-Track and Tenured Faculty Positions**

The George Mason University Department of Computer Science, within the College of Engineering and Computing (CEC), invites applications for multiple tenure-track or tenured faculty positions beginning Fall 2022. Senior candidates with established records of outstanding research and excellent teaching will be eligible for tenured Associate Professor or Professor positions. Candidates who are in a dual-career situation may be able to take advantage of the university’s support for dual-career recruitment. Candidates who are in a dual-career situation or who require a start date other than Fall 2022 should make this known in their application materials.

George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly encourages candidates to apply who will enrich Mason’s academic and culturally inclusive environment.

**Responsibilities:**

Successful candidates will be expected to teach at the undergraduate and graduate levels; develop an independent, externally funded research program; advise students; participate in all aspects of the department’s mission; serve the profession; and embrace and help advance the University’s strong commitment to diversity, equity and inclusion.

**Required Qualifications:**

Applicants must have received a PhD by the start date of the position, and should have demonstrated potential for excellence and productivity in research, and a commitment to high-quality teaching. Successful candidates typically will have a PhD in Computer Science or a related field; candidates with a PhD in other fields should have a strong publication record in computer science.

**Preferred Qualifications:**

Applicants at all ranks and in all areas of computer science, broadly defined, will be considered. Candidates who can build collaborations with other departments within the College and across the University will benefit from the strong support and encouragement for interdisciplinary collaboration with the College and the University. The department and the College place high value on engaging students from traditionally underrepresented groups, and candidates from these groups are especially encouraged to apply.

**About the Department:**

The Department of Computer Science has 53 tenured and tenure-track faculty and 17 teaching-track faculty with wide-ranging research interests, and strong research groups in cybersecurity, systems and networks, machine learning and data mining, artificial intelligence, robotics, visual computing, theory, databases, bioinformatics, HCI, and software engineering. The department has seen a substantial increase in computer science
majors as enrollment has grown from 550 undergraduates in 2012 to over 2,000 today. The department has over 150 PhD students and more than 500 graduate students enrolled in four MS programs. The department has nearly $5 million in annual research expenditures, 17 recipients of the prestigious CAREER/Young Investigator Awards, four IEEE Fellows, and three ACM Fellows. The department is ranked 48th on CRN.

For more information on the department, visit our website: https://cs.gmu.edu/.

A Force for Innovation in the Heart of Northern Virginia’s Technology Corridor

The College of Engineering and Computing at George Mason University is comprised of the new School of Computing and the Volgenau School of Engineering. The College is a fast-growing force for innovation in research and education. Ranked nationally in the top 100 in both undergraduate and graduate education, the College boasts more than 9,100 students in 37 undergraduate, master’s, and doctoral degree programs, including several first-in-the-nation offerings. Of the 271 full-time faculty who comprise the College, 91 are tenured, 59 are tenure-track, 89 are instructional faculty, and 32 are research faculty. As part of a nationally ranked research university, its research teams expended $75 million in sponsored research awards last year and has projects with over $400 million in current and anticipated awards. The College stands out for its leading research in areas such as artificial intelligence, data analytics engineering, cybersecurity engineering, biomedical imaging and devices, community-based healthcare, autonomous systems, 5G/Next G communications, systems architectures, computational biomedicine, advanced materials and manufacturing, sustainable infrastructure, and more. The College encourages multidisciplinary research and provides ample opportunity for faculty to work with other disciplines.

George Mason University is the largest and most diverse public research university in Virginia, with an enrollment of over 39,000 students studying in over 200 degree programs. Mason is an innovative, entrepreneurial institution with national distinction in a range of academic fields. It was classified as an R1 research institution in 2016 by the Carnegie Classifications of Institutes of Higher Education. Mason has campuses in Fairfax, Arlington, and Prince William. Its proximity to Washington, D.C. provides unmatched geographical access to a number of federal agencies and national laboratories. Northern Virginia is also home to one of the largest concentrations of high-tech firms in the nation, providing excellent opportunities for interaction with industry. The region is consistently rated as being among the best places to live in the country and has an outstanding local public school system. In addition, the university has been highly effective in responding to the CoVID-19 pandemic, creating a safe environment for faculty, students and staff.

In conjunction with Amazon’s decision to establish a second headquarters in Northern Virginia, the Commonwealth of Virginia announced a multi-year plan to invest in the growth of degree programs in computing. George Mason University has committed to accelerate its plans to grow its capacity in computing and high-tech fields. Among the exciting initiatives being undertaken by the university are the launch of the Institute for Digital InnovAtion, a university think tank and incubator to serve the digital economy, and the expansion of its Arlington Campus with a planned 400,000 square foot building that will house this new institute. These initiatives reflect hundreds of millions of dollars in new investment by Mason that will rapidly elevate the university’s already leading national position in computing and related areas.

Special Instructions to Applicants

For full consideration, applicants must apply for position number F6245Z; at https://jobs.gmu.edu; complete and submit the online application; and upload a statement of professional goals including your perspective on teaching and research (to attach as ‘Other Doc’), a complete CV with publications, a statement on what diversity and inclusion means to you (to attach as ‘Other Doc’), and the names of three professional references.

Review of applications will begin January 3, 2022, and will continue until available positions are filled.

George Mason University is an equal opportunity/affirmative action employer, committed to promoting inclusion and equity in its community. All qualified
applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or veteran status, or any characteristic protected by law.

George Mason University

Multiple Open-Rank, Non-Tenure-Track Faculty Positions

Department of Information Sciences and Technology

The George Mason University Department of Information Sciences and Technology, within the College of Engineering and Computing (CEC), invites applications for multiple renewable-term, non-tenure-track positions at the ranks of Assistant, Associate or Professor, and Instructor, beginning Fall 2022.

George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly encourages candidates to apply who will enrich Mason’s academic and culturally inclusive environment.

Responsibilities:

The candidate will be responsible for teaching and service requirements consistent with the departmental policies:

- Teaching at the undergraduate and/or graduate-level in the classroom and/or online;
- Developing and coordinating courses, managing adjunct faculty and graduate teaching assistants;
- Participating in student advising, and performing other departmental/University service duties.

Required Qualifications:

Applicants for the position of Assistant/Associate or Full Professor must have received a PhD in Information Sciences, Information Technology, Computer Science or a related field by the start date of the position. Senior candidates for Associate Professor or Professor positions should also have an established record of teaching experience. Applicants who have received an MS in the fields listed above by the start date of the position will be considered for Instructor positions. Applicants should possess a strong commitment to education and demonstrated excellence in teaching.

Preferred Qualifications:

Applicants in all areas of information technology will be given serious consideration. We are particularly interested in candidates in the areas of cloud computing, data sciences, cyber/information security, operating systems, and senior design capstone. Industry experience in these areas is highly desired. Preference will be given to candidates with teaching experience. The department and the College place a high value on engaging students from traditionally underrepresented groups, and candidates from these groups are especially encouraged to apply.

About the Department:

The Department of Information Sciences and Technology (IST) has 33 full-time faculty members with research foci in cybersecurity, data mining and machine learning, natural language processing, human-centered computing, and computing and engineering education. IST has the largest and fastest growing undergraduate major in the university, the ABET-accredited BS in Information Technology, serving more than 1,800 students. Additionally, the department has about 120 graduate students in the MS in Applied Information Technology (AIT) program. The online MS programs in IT ranked 26th among public universities and 37th overall by U.S. News and World. In addition to BS and MS programs, the department also participates in an interdisciplinary BS program in Cyber Security Engineering, MS program in Data Analytics Engineering, and a PhD program in Information Technology (concentration in IST) offered by the CEC. Research expenditures of the IST department totaled about $2.2 million in FY 2021. Funding sources include NSF, DOD, DARPA, NIH, and DHHS. Faculty awardees include NSF CAREER and NSF CRII recipients. For more information on the department, please visit our website: http://ist.gmu.edu/.

A Force for Innovation in the Heart of Northern Virginia’s Technology Corridor:

The College of Engineering and Computing at George Mason University is comprised of the Volgenau School of Engineering and a new School of Computing. The College is a fast-growing force for innovation in research and education. Ranked nationally in the top 100 in both undergraduate and graduate education, the College boasts more than 9,100
students in 37 undergraduate, master’s, and doctoral degree programs, including several first-in-the-nation offerings. Of the 271 full-time faculty who comprise the College, 91 are tenured, 59 are tenure-track, 89 are instructional faculty, and 32 are research faculty. As part of a nationally ranked research university, its research teams expended $75 million in sponsored research awards in the past year and has projects with over $400 million in current and anticipated awards. The College stands out for its leading research in areas such as artificial intelligence, data analytics engineering, cybersecurity engineering, biomedical imaging and devices, community-based healthcare, autonomous systems, 5G/Next G communications, systems architectures, computational biomedicine, advanced materials and manufacturing, sustainable infrastructure, and more. The College encourages multidisciplinary research and provides ample opportunity for faculty to work with other disciplines.

George Mason University is the largest and most diverse public research university in Virginia, with an enrollment of over 39,000 students studying in over 200 degree programs. Mason is an innovative, entrepreneurial institution with national distinction in a range of academic fields. It was classified as an R1 research institution in 2016 by the Carnegie Classifications of Institutes of Higher Education. Mason has campuses in Fairfax, Arlington, and Prince William. Its proximity to Washington, D.C. provides unmatched geographical access to a number of federal agencies and national laboratories. Northern Virginia is also home to one of the largest concentrations of high-tech firms in the nation, providing excellent opportunities for interaction with industry. The region is consistently rated as being among the best places to live in the country, and has an outstanding local public school system.

In conjunction with Amazon’s decision to establish a second headquarters in Northern Virginia, the Commonwealth of Virginia announced a multi-year plan to invest in the growth of degree programs in computing. George Mason University has committed to accelerate its plans to grow its capacity in computing and high-tech fields. Among the exciting initiatives being undertaken by the university are the launch of the Institute for Digital Innovation, a university think tank and incubator to serve the digital economy, and the expansion of its Arlington Campus with a planned 400,000 square foot building that will house the new Institute for Digital Innovation. These initiatives reflect hundreds of millions of dollars in new investment by Mason that will rapidly elevate the university’s already leading national position in computing and related areas.

Special Instructions to Applicants

For full consideration, applicants must apply for position number F695AZ; at https://jobs.gmu.edu/; complete and submit the online application; and upload a statement of professional goals including your perspective on teaching and research (to attach as ‘Other Doc’), a complete CV with publications, a statement on what diversity and inclusion means to you (to attach as ‘Other Doc’), and the names of three professional references.

The review of applications will begin December 7, 2021 and continue until the position is filled.

George Mason University is an equal opportunity/affirmative action employer, committed to promoting inclusion and equity in its community. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or veteran status, or any characteristic protected by law.

George Mason University

Multiple Open-Rank, Teaching Faculty Positions

Department of Computer Science

The George Mason University Department of Computer Science, within the College of Engineering and Computing (CEC), invites applications for multiple renewable-term, non-tenure-track teaching faculty positions (all levels) beginning Fall 2022. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly encourages candidates to apply who will enrich Mason’s academic and culturally inclusive environment.

Responsibilities:

Successful candidates will be expected to teach primarily at the undergraduate level; advise undergraduate students; participate in the department’s educational mission; and embrace and help advance
Professional Opportunities

the University’s strong commitment to diversity, equity and inclusion.

Required Qualifications:

Applicants for term Assistant Professor positions must have received a PhD in Computer Science or a related field by the start date of the position. Senior applicants with a record of outstanding teaching may be considered for a higher rank. Applicants who have received a MS in Computer Science or a related field by the start date of the position will be considered for term Instructor positions. Applicants should possess a strong commitment to and demonstrated excellence in teaching.

Preferred Qualifications:

While applicants in all areas of computer science will be given serious consideration, we are particularly interested in candidates in the areas of computer science education, software engineering, programming languages, security, ethics, and data analytics. Administrative and/or managerial experience is a plus.

About the Department:

The Department of Computer Science has 53 tenured and tenure-track faculty and 17 teaching-track faculty with wide-ranging research interests, and strong research groups in cybersecurity, systems and networks, machine learning and data mining, artificial intelligence, robotics, visual computing, theory, databases, bioinformatics, HCI, and software engineering. The department has seen a substantial increase in computer science majors as enrollment has grown from 550 undergraduates in 2012 to over 2,000 today. The department has over 150 PhD students and more than 500 graduate students enrolled in four MS programs. The department has nearly $5 million in annual research expenditures, 17 recipients of the prestigious CAREER/Young Investigator Awards, four IEEE Fellows, and three ACM Fellows. The department is ranked 48th on CSRankings.

For more information on the department, visit our Web site: https://cs.gmu.edu/

A Force for Innovation in the Heart of Northern Virginia’s Technology Corridor

The College of Engineering and Computing at George Mason University is comprised of the new School of Computing and the Volgenau School of Engineering. The College is a fast-growing force for innovation in research and education. Ranked nationally in the top 100 in both undergraduate and graduate education, the College boasts more than 9,100 students in 37 undergraduate, master’s, and doctoral degree programs, including several first-in-the-nation offerings. Of the 271 full-time faculty who comprise the College, 91 are tenured, 59 are tenure-track, 89 are instructional faculty, and 32 are research faculty. As part of a nationally ranked research university, its research teams expended $75 million in sponsored research awards last year and has projects with over $400 million in current and anticipated awards.

The College stands out for its leading research in areas such as artificial intelligence, data analytics engineering, cybersecurity engineering, biomedical imaging and devices, community-based healthcare, autonomous systems, 5G/Next G communications, systems architectures, computational biomedicine, advanced materials and manufacturing, sustainable infrastructure, and more. The College encourages multidisciplinary research and provides ample opportunity for faculty to work with other disciplines.

George Mason University is the largest and most diverse public research university in Virginia, with an enrollment of over 39,000 students studying in over 200 degree programs. Mason is an innovative, entrepreneurial institution with national distinction in a range of academic fields. It was classified as an R1 research institution in 2016 by the Carnegie Classifications of Institutes of Higher Education. Mason has campuses in Fairfax, Arlington, and Prince William. Its proximity to Washington, D.C. provides unmatched geographical access to a number of federal agencies and national laboratories. Northern Virginia is also home to one of the largest concentrations of high-tech firms in the nation, providing excellent opportunities for interaction with industry. The region is consistently rated as being among the best places to live in the country and has an outstanding local public school system. In addition, the university has been highly effective in responding to the COVID-19 pandemic, creating a safe environment for faculty, students and staff.
In conjunction with Amazon's decision to establish a second headquarters in Northern Virginia, the Commonwealth of Virginia announced a multi-year plan to invest in the growth of degree programs in computing. George Mason University has committed to accelerate its plans to grow its capacity in computing and high-tech fields. Among the exciting initiatives being undertaken by the university are the launch of the Institute for Digital InnovAtion, a university think tank and incubator to serve the digital economy, and the expansion of its Arlington Campus with a planned 400,000 square foot building that will house this new institute. These initiatives reflect hundreds of millions of dollars in new investment by Mason that will rapidly elevate the university's already leading national position in computing and related areas.

Special Instructions to Applicants

For full consideration, applicants must apply for position number F199AZ at [https://jobs.gmu.edu](https://jobs.gmu.edu), complete and submit the online application; and upload a statement of professional goals including your perspective on teaching and research (to attach as 'Other Doc'), a complete CV with publications, a statement on what diversity and inclusion means to you (to attach as 'Other Doc'), and the names of three professional references. Review of applications will begin January 3, 2022, and will continue until available positions are filled. The Department plans to conduct all interviews in virtual fashion. Successful candidates who are to be offered a position will be invited to visit the campus at the university’s expense at the time the offer is made.

George Mason University is an equal opportunity/affirmative action employer, committed to promoting inclusion and equity in its community. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or veteran status, or any characteristic protected by law.

George Mason University
Multiple Open-Rank, Tenure-Track and Tenured Faculty Positions
Department of Information Sciences and Technology

The George Mason University Department of Information Sciences and Technology, within the College of Engineering and Computing (CEC), invites applications for multiple tenure-track or tenured faculty positions beginning Fall 2022. Senior candidates with established records of outstanding research and excellent teaching will be eligible for tenured Associate Professor or Professor positions. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly encourages candidates to apply who will enrich Mason’s academic and culturally inclusive environment.

Responsibilities:

Successful candidates will be expected to teach at the undergraduate and graduate levels; develop an independent, externally funded research program; advise students; participate in all aspects of the department's mission; serve the profession; and embrace and help advance the University’s strong commitment to diversity, equity and inclusion.

Required Qualifications:

Applicants must have received a PhD in Information Science, Information Technology, Information Systems, Computer Science or a related field by the start date of the position, and should have demonstrated potential for excellence and productivity in research, and a commitment to high-quality teaching.

Preferred Qualifications:

Applicants in all areas of information science and technology, computing, and related areas will be given serious consideration. We are particularly interested in candidates in the areas of artificial intelligence, cybersecurity, data mining and analytics, data science (including natural language processing, image processing), human centered computing (including information visualization, human computer interaction, pervasive & ubiquitous computing), network science, and information system design. Strong candidates from other areas will also be considered. Candidates who can build collaborations with other departments within the College and across the University will benefit from the strong support and encouragement for interdisciplinary collaboration with the College and the University. The department and the College place high value on engaging students from traditionally underrepresented groups.
and candidates from these groups are especially encouraged to apply.

About the Department:
The Department of Information Sciences and Technology (IST) has 33 full-time faculty members with research foci in cybersecurity, data mining and machine learning, natural language processing, human-centered computing, and computing and engineering education. IST has the largest and fastest growing undergraduate major in the university, the ABET-accredited BS in Information Technology, serving more than 1,800 students. Additionally, the department has about 120 graduate students in the MS in Applied Information Technology (AIT) program. The online MS programs in IT ranked 26th among public universities and 37th overall by U.S. News and World. In addition to BS and MS programs, the department also participates in an interdisciplinary MS program in Data Analytics Engineering and a PhD program in Information Technology (concentration in IST) offered by the CEC. Research expenditures of the IST department totaled about $2.2 million in FY 2021. Funding sources include NSF, DOD, DARPA, NIH, and DHHS. Faculty awardees include NSF CAREER and NSF CRII recipients.

For more information on the department, please visit our website: http://ist.gmu.edu/

A Force for Innovation in the Heart of Northern Virginia’s Technology Corridor:
The College of Engineering and Computing (CEC) at George Mason University is comprised of the Volgenau School of Engineering and a new School of Computing. The College is a fast-growing force for innovation in research and education. Ranked nationally in the top 100 in both undergraduate and graduate education, the College boasts more than 9,100 students in 37 undergraduate, master’s, and doctoral degree programs, including several first-in-the-nation offerings. Of the 271 full-time faculty who comprise the College, 91 are tenured, 59 are tenure-track, 89 are instructional faculty, and 32 are research faculty. As part of a nationally ranked research university, its research teams expended more than $75 million in sponsored research awards in the past year and has projects with over $400 million in current and anticipated awards. The College stands out for its leading research in areas such as artificial intelligence, data analytics engineering, cybersecurity engineering, biomedical imaging and devices, community-based healthcare, autonomous systems, 5G/Next G communications, systems architectures, computational biomedicine, advanced materials and manufacturing, sustainable infrastructure, and more. The College encourages multidisciplinary research and provides ample opportunity for faculty to work with other disciplines.

George Mason University is the largest and most diverse public research university in Virginia, with an enrollment of over 39,000 students studying in over 200 degree programs. Mason is an innovative, entrepreneurial institution with national distinction in a range of academic fields. It was classified as an R1 research institution in 2016 by the Carnegie Classifications of Institutes of Higher Education. Mason has campuses in Fairfax, Arlington, and Prince William. Its proximity to Washington, D.C. provides unmatched geographical access to a number of federal agencies and national laboratories. Northern Virginia is also home to one of the largest concentrations of high-tech firms in the nation, providing excellent opportunities for interaction with industry. The region is consistently rated as being among the best places to live in the country, and has an outstanding local public school system.

In conjunction with Amazon’s decision to establish a second headquarters in Northern Virginia, the Commonwealth of Virginia announced a multi-year plan to invest in the growth of degree programs in computing. George Mason University has committed to accelerate its plans to grow its capacity in computing and high-tech fields. Among the exciting initiatives being undertaken by the university are the launch of the Institute for Digital InnovAtion, a university think tank and incubator to serve the digital economy, and the expansion of its Arlington Campus with a planned 400,000 square foot building that will house the new Institute for Digital InnovAtion. These initiatives reflect hundreds of millions of dollars in new investment by Mason that will rapidly elevate the university’s already leading national position in computing and related areas.

Special Instructions to Applicants
For full consideration, applicants must apply for position number F692AZ; at
Professional Opportunities

https://jobs.gmu.edu/: complete and submit the online application; and upload a statement of professional goals including your perspective on teaching and research (to attach as ‘Other Doc’), a complete CV with publications, a statement on what diversity and inclusion means to you (to attach as ‘Other Doc’), and the names of three professional references. The review of applications will begin December 7, 2021 and continue until the position is filled.

George Mason University is an equal opportunity/affirmative action employer, committed to promoting inclusion and equity in its community. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or veteran status, or any characteristic protected by law.

Georgetown University
Associate Professor - Data Science and Analytics Program

The Data Science and Analytics program at Georgetown University invites applications for a tenured faculty position at the rank of Associate Professor.

We seek candidates with skills and demonstrated research expertise in data science areas such as machine learning, text as data large-scale computing and networks.

Candidates must possess a Ph.D. and have a record of research and teaching commensurate with Associate Professor rank at Georgetown. Advanced Assistant Professors will also be considered.

The ideal candidate will be a dynamic leader eager to make interdisciplinary connections across the Georgetown data science research community.

We welcome candidates from a variety of academic disciplines, including data science, mathematics, computer science, computational linguistics, computational social science, economics, health informatics, information science and statistics. Applicants may be doing advanced data science work in a specific discipline we have not identified above.

We seek candidates from diverse backgrounds and candidates committed to making Georgetown a more inclusive community. The University attracts and enrolls students who bring a rich array of racial and ethnic backgrounds, genders, disabilities, as well as socioeconomic, international and combinations of those dimensions. For many of our students, representation in the classroom is an important institutional value.

Learn more and apply: http://apply.interfolio.com/96419

Georgetown University
Gracias Family Chair in Security and Emerging Technology

The Edmund A. Walsh School of Foreign Service of Georgetown University invites applications for a non-tenure-track, rank-open position as the Gracias Family Chair in Security and Emerging Technology. This position will have teaching and administrative responsibilities in the interdisciplinary Security Studies Program (SSP), with potential for affiliations with the Science, Technology and International Affairs Program (STIA) and the Center for Security and Emerging Technology (CSET).

The successful candidate will have a record of professional or teaching experience focused on security and emerging technology, with a particular focus on artificial intelligence and its implications for national and international security. Especially competitive candidates will have a PhD in a related field and teaching experience at the graduate level.

Applicants should submit a cover letter outlining professional background and teaching experience, a curriculum vitae, and three letters of recommendation. Applicants should also submit a diversity statement that discusses how they would contribute to inclusive excellence in the areas of teaching, research, and/or service, including any reflections on teaching and mentorship of students from diverse backgrounds. Applications for this position should be submitted online at: http://apply.interfolio.com/86515. Questions about the online application system should be directed to Carol A. Benedict, SFS Faculty Chair at benedicc@georgetown.edu. Fax, mailed, or emailed applications will not be accepted.

Review of applications will begin October 30 and will continue until the position is filled. The position is expected to begin on August 1, 2022.
Georgetown University is an Equal Opportunity/Affirmative Action employer fully dedicated to achieving a diverse faculty and staff. All qualified candidates are encouraged to apply and will receive consideration for employment without regard to race, sex, sexual orientation, age, religion, national origin, marital status, veteran status, disability or other categories protected by law.

Georgetown University

**Provost's Distinguished Faculty Fellow and Assistant Professor of Computer Science**

The Department of Computer Science at Georgetown University is seeking applications for a tenure-track Assistant Professor position in Computer Science. For the first year of this position, the successful candidate will also hold the title of Provost’s Distinguished Faculty Fellow, and will have no teaching and service responsibilities to allow a focus on research while receiving mentorship and support from two senior faculty members.

Candidates with a strong record of research in fairness and ethics in computing, computing for social good, machine learning and artificial intelligence, programming languages, computer systems, databases, trustworthy computing, human-computer interaction, or software engineering are encouraged to apply.

We are a rapidly growing department in a top-25 university located in the heart of Washington, DC. Our faculty research focuses on data-centered computing, security and privacy, and theory. We are committed to building a diverse intellectual community and strongly encourage applications from those from underrepresented backgrounds.

**Qualifications**

Ph.D. in Computer Science or a related area awarded by August 1, 2022. A strong research record, and a promise of excellence in research and teaching. Demonstration of a commitment to diversity, equity, and inclusion (DEI). This commitment to DEI can be demonstrated in a number of ways, including through teaching and research on matters related to DEI or through service that has fostered DEI in a university community.

For your application to be fully considered, the following must be completed by December 15, 2021. Submit the required application materials via Interfolio:

- A cover letter explaining your interest in the position
- Curriculum vitae
- Research statement outlining current research and future research interests
- Teaching statement that describes your teaching experience and philosophy
- At least three, and at most five, confidential letters of recommendation submitted on your behalf by the referees on letterhead with signature
- Statement explaining how you have in the past and will in the future at Georgetown enrich a community that seeks a diversity of perspectives and people

**George Washington University**

**Professor of Practice**

The Department of Computer Science at The George Washington (GW) University in Washington DC, invites applications for a Professor of the Practice position starting potentially as early as Fall 2022. This non-tenure track, specialized appointment will be made at the Assistant/Associate/Full Professor of the Practice rank depending on the candidate’s experience.

GW has a history of supporting faculty with “Practice” titles who are educators, practitioners, and scholars, and the Computer Science department has set high standards in providing a teaching and work environment in which “Practice” faculty thrive.

Equal Employment Opportunity Statement

Georgetown University is an Equal Opportunity/Affirmative Action Employer fully dedicated to achieving a diverse faculty and staff. All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, color, religion, national origin, age, sex (including pregnancy, gender identity and expression, and sexual orientation), disability status, protected veteran status, or any other characteristic protected by law.

If you are a qualified individual with a disability and need a reasonable accommodation for any part of the application and hiring process, please visit [https://ideaa.georgetown.edu/ada/applicants/](https://ideaa.georgetown.edu/ada/applicants/) for more information, or contact the Office of Institutional Diversity, Equity & Affirmative Action (IDEAA) at (202) 687-4798.
that encourages interdisciplinary efforts across many fields. The School of Engineering and Applied Science is fundamentally committed to increasing the diversity of its faculty and staff and has one of the highest percentages of women engineering students nationally. We welcome nominations of and applications from women, members of groups underrepresented in engineering and computing, veterans and individuals with disabilities. We also welcome others who would bring additional aspects of diversity to the university’s research, teaching and service missions.

**Responsibilities:**

The position primarily entails teaching courses throughout the undergraduate curriculum, including courses open to the entire University student body, and participating in program and curriculum development.

An initial multi-year appointment will be offered in accordance with the University’s Faculty Code. ‘Practice’ faculty typically teach a three or two course load per semester with both graduate and undergraduate teaching assistant support in lower division Computer Science courses.

**Minimum Qualifications:**

By the date of appointment, applicants for the Professor of Practice position must have a Ph.D. in Computer Science or a closely related field. They must also have demonstrated experience or potential for teaching several topics in a Computer Science curriculum.

**Enquiries and Application:**

To inquire, please email to cssearch@gwu.edu or call 202-994-7181. To apply, complete the online faculty application at https://www.gwu.jobs/postings/87407 and upload: (1) a detailed curriculum vitae; (2) a statement of teaching interest regarding teaching philosophy and experience, including evidence of commitment to promoting inclusion and diversity; (3) teaching evaluations or summaries as evidence of teaching effectiveness; (4) a short cover letter describing your background and interests in teaching students at The George Washington University and in promoting inclusion and diversity in computer science; (5) a statement of research interest (which may include research on Computer Science pedagogy or other areas of education research); and (6) contact information for three references who can address your teaching experience and potential for this appointment.

Only complete applications will be considered. Review of applications will begin on December 1, 2021 and will continue until the position is filled.

**EEO/AA Policy:**

The university is an Equal Opportunity/Affirmative Action employer that does not unlawfully discriminate in any of its programs or activities on the basis of race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity expression, or on any other basis prohibited by applicable law.

**BACKGROUND SCREENING STATEMENT:**

Employment offers are contingent on the satisfactory outcome of a standard background screening.
Professional Opportunities

affords close access to many federal funding agencies, research laboratories, and one of the largest concentrations of technology companies in the nation, supporting high impact research agendas and creating opportunities for professional couples.

Responsibilities

Faculty hired into this position will be expected to build a substantial research program, mentor graduate students in research, and teach courses at the undergraduate and graduate levels.

Minimum Qualifications

A Ph.D. in computer science or a related area by date of appointment is required. Applicants must demonstrate potential for developing a quality research program, attracting research funding, and outstanding teaching at both the undergraduate and graduate levels.

Enquiries and Application:

To inquire, please email to cssearch@gwu.edu or call 202-994-7181. To apply, complete the online faculty application, at https://www.gwu.jobs/postings/87400 and upload: (1) a detailed CV or resume; (2) a research statement; (3) a teaching statement; and (4) a cover letter that could describe your goals and why you are applying to this position. Please include a list of at least 3 references who can address the research and teaching skills necessary for this appointment.

Only complete applications will be considered. Review of applications will begin November 1 December 1, 2021 and will continue until the position is filled.

EEO/AA Policy:

The George Washington University is an Equal Opportunity and Affirmative Action Employer that does not unlawfully discriminate in any of its programs or activities on the basis of race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity expression, or on any other basis prohibited by applicable law.

BACKGROUND SCREENING STATEMENT:

Employment offers are contingent on the satisfactory outcome of a standard background screening.

Georgia Institute of Technology

Tenure-Track Faculty

The School of Cybersecurity and Privacy (SCP) at the Georgia Institute of Technology (Georgia Tech) invites applications for several tenure track and tenured faculty positions at all ranks. We seek exceptional candidates in all areas of Security, Cryptography, Privacy, and Cyber Policy, as well as emerging or interdisciplinary areas that push the boundaries of cybersecurity and privacy. The School of Cybersecurity and Privacy, one of four schools in the top-ten ranked College of Computing, was formed in September 2020. It builds on the strong foundation and continued success of the cybersecurity research and education efforts at Georgia Tech that were started more than twenty years ago, and already includes innovative, multi-disciplinary faculty and research scientists. The goal of the SCP is to be an international leader in research, education, technology transfer, and societal impacts. Successful applicants will also have opportunities, where appropriate, for joint or shared academic appointments with other schools at Georgia Tech and collaborative research that spans disciplinary boundaries at Georgia Tech.

Georgia Tech is a top-ranked public research university situated in the heart of Atlanta, a diverse and vibrant city with multiple universities. Midtown Atlanta, where Georgia Tech is located, has been recognized as one of the 2016 Great Neighborhoods by the American Planning Association due to its liveliness, walkability,
and many great cultural and economic strengths. The Institute is a member of the University System of Georgia, the Georgia Research Alliance, and the Association of American Universities. Georgia Tech prides itself on its technology resources, collaborations, high-quality student body, and its commitment to diversity, equity, and inclusion.

Applications will be considered until open positions are filled. Applications received before Dec 31, 2021, will receive full consideration for hiring. Applicants are encouraged to clearly identify in their cover letter the area(s) that best describe their research interests. All inquiries should be sent to scp-recruiting@cc.gatech.edu.

Applications must be submitted through Georgia Tech Careers website to be considered. The JOB ID is 234932.

Apply at Careers.

Georgia Tech is an equal education/employment opportunity institution dedicated to building a diverse community. As part of our commitment to diversity, equity, and inclusion, we strongly encourage applications from women, minorities, individuals with disabilities, and veterans. We strive to be and promote a family-friendly environment and recognize that supporting this culture, at times, includes assisting dual-career couples with employment needs.

Georgia Tech provides equal opportunity to all faculty, staff, students, and all other members of the Georgia Tech community, including applicants for admission and/or employment, contractors, volunteers, and participants in institutional programs, activities, or services. Georgia Tech complies with all applicable laws and regulations governing equal opportunity in the workplace and in educational activities. Georgia Tech prohibits discrimination, including discriminatory harassment, on the basis of race, ethnicity, ancestry, color, religion, sex (including pregnancy), sexual orientation, gender identity, national origin, age, disability, genetics, or veteran status in its programs, activities, employment, and admissions. This prohibition applies to faculty, staff, students, and all other members of the Georgia Tech community, including affiliates, invitees, and guests.

---

**Georgia Institute of Technology**

**Tenured/Tenure Track Computer Science Faculty**

The School of Computer Science at the Georgia Institute of Technology (Georgia Tech) invites applications for several tenure track faculty positions at all ranks. We seek candidates in all areas that complement and enhance our current research strengths, and are especially interested this year in candidates whose research focus is in the broad areas of theoretical computer science, machine learning, computer architecture, and software engineering. Applicants must show evidence of outstanding academic credentials and stellar potential in their field of study, a sincere commitment to teaching, a proclivity to engage in substantive interdisciplinary and collaborative research locally or globally, and an interest in fostering a diverse, equitable, and inclusive academic community.

Georgia Tech is an equal education/employment opportunity institution dedicated to building a diverse community. We strongly encourage applications from women, underrepresented groups, individuals with disabilities, and veterans. Georgia Tech has policies to promote a healthy work-life balance and is aware that attracting faculty may require meeting the needs of two careers.

The School of Computer Science, one of four schools in the top-ten ranked College of Computing, focuses on research that makes computing and communication smart, fast, reliable, and secure, with research groups in computer architecture, databases, machine learning, networking, programming languages compilers, software engineering, systems, and theory. Faculty from our school are leaders in a variety of Georgia Tech initiatives, including the Algorithms and Randomness Center (ARC), the Center for Machine Learning (ML@GT), the Center for Research into Novel Computing Hierarchies (CRNCH), and the Institute for Data Engineering and Science (IDEaS). Successful applicants will also have opportunities, where appropriate, for joint or shared academic appointments with the newly formed School of Cybersecurity and Privacy within the College of Computing and collaborative research that spans disciplinary boundaries at Georgia Tech.

Georgia Tech is a top-ranked public research university situated in the heart of Atlanta, a diverse and vibrant city with multiple universities. Midtown Atlanta, where Georgia Tech’s 370+ acre campus is located, has...
Professional Opportunities

been recognized as one of the 2016 Great Neighborhoods by the American Planning Association due to its liveliness, walkability, and many great cultural and economic strengths. The Institute is a member of the University System of Georgia, the Georgia Research Alliance, and the Association of American Universities. Georgia Tech prides itself on its culture of collaboration, technology resources, high-quality student body, and its commitment to diversity, equity, and inclusion. Applications will be considered until open positions are filled. For full consideration, applicants are encouraged to submit their applications by December 15, 2021, at this link here – https://academicjobsonline.org/ajo/jobs/19994.

Your full application should include a cover letter, research statement, teaching statement, diversity and inclusivity statement, curriculum vitae, and the contact information of at least three references. We ask that applicants clearly indicate their research area(s) and focus in their cover letters.

Georgia Tech provides equal opportunity to all faculty, staff, students, and all other members of the Georgia Tech community, including applicants for admission and/or employment, contractors, volunteers, and participants in institutional programs, activities, or services. Georgia Tech complies with all applicable laws and regulations governing equal opportunity in the workplace and in educational activities. Georgia Tech prohibits discrimination, including discriminatory harassment, on the basis of race, ethnicity, ancestry, color, religion, sex (including pregnancy), sexual orientation, gender identity, national origin, age, disability, genetics, or veteran status in its programs, activities, employment, and admissions. This prohibition applies to faculty, staff, students, and all other members of the Georgia Tech community, including affiliates, invitees, and participants in institutional programs, activities, employment, and admissions. This

To submit your application please see the link here: https://academicjobsonline.org/ajo/jobs/19994

Georgia Institute of Technology

Tenure-Track Faculty

The School of Interactive Computing (IC) at the Georgia Institute of Technology (Georgia Tech) invites applications for several anticipated tenure track faculty positions at all levels of seniority. We seek applications in the broader areas of Human-Computer Interaction (HCI) and Artificial Intelligence (AI), including their intersections, and with an emphasis in Data and Information Visualization, Social Computing, Privacy, and theoretical/applied Machine Learning. These areas are of strategic importance to the School, as we build on our strong hiring in similar areas within the past several years. We will consider truly outstanding candidates in all areas that support the school’s mission and expand it in strategic directions. For instance, the College of Computing (CoC) has added a new academic unit, the School of Cybersecurity and Privacy, which is a sister school of IC. A number of IC faculty will also be leading or participating in two AI institutes funded recently by the National Science Foundation: efforts that underscore the College’s and Institute’s goal to expand in AI and related areas in the coming years.

Suitable candidates must have an established international reputation and have demonstrated exceptional impact, productivity, and leadership. Candidates are also expected to demonstrate an exceptional commitment to the teaching and mentoring of undergraduate and graduate students, as well as to matters of diversity, equity, and inclusion through their research, teaching, or service activities.

Application materials must include a cover letter, research statement, teaching statement, and curriculum vitae, the contact information of at least three references, and three publications. The submission link for these materials can be accessed through the Georgia Institute of Technology.

Applicants must show evidence of outstanding academic credentials and stellar potential in their field of study, a sincere commitment to teaching, a proclivity to engage in substantive interdisciplinary and collaborative research locally or globally, and an interest in fostering a diverse, equitable, and inclusive academic community. We ask that applicants clearly indicate their research area(s) and focus in their cover letters.

The reference letters must be submitted through Academic Jobs Online (AJO) – https://academicjobsonline.org/ajo/jobs/19665

Note: AJO is used only for reference letters. All other application materials must be submitted through CAREERS.

Preference will be given to applications submitted by December 1, 2021, but we will continue accepting applications until the positions are filled. Questions regarding the status of an application may be directed to recruiting-ic@cc.gatech.edu.

Georgia Tech is an equal education/employment opportunity institution
Professional Opportunities

Assistant Professor - Department of Computer Science

Georgia Southern University’s Department of Computer Science invites applications for tenure-track Assistant Professor in Computer Science.

The full text advertisement, including information about the department, faculty, and the complete position announcement with all qualifications and application instructions, is available at [https://apptrkr.com/2577180](https://apptrkr.com/2577180).

Screening of applications begins December 1, 2021 and continues until the position is filled.

Georgia is an open records state. Georgia Southern University provides equal employment opportunities to all employees and applicants for employment without regard to race, color, sex, sexual orientation, gender identity or expression, national origin, religion, age, veteran status, political affiliation, or disability. Individuals who need reasonable accommodations under the Americans with Disabilities Act to participate in the search process should notify Human Resources at 912-478-6947.

Tenure-Track Assistant Professor - Department of Information Technology

Georgia Southern University's Department of Information Technology invites applications for tenure-track Assistant Professor in Information Technology. The full text advertisement, including information about the department, faculty, and the complete position announcement with all qualifications and application instructions, is available at [https://apptrkr.com/2600036](https://apptrkr.com/2600036).

Screening of applications begins November 17, 2021 and continues until the position is filled.

Georgia is an open records state. Georgia Southern University provides equal employment opportunities to all employees and applicants for employment without regard to race, color, sex, sexual orientation, gender identity or expression, national origin, religion, age, veteran status, political affiliation, or disability. Individuals who need reasonable accommodations under the Americans with Disabilities Act to participate in the search process should notify Human Resources at 912-478-6947.

Professor and Chair - Department of Computer Science

Georgia Southern University’s Department of Computer Science offers an on-campus Bachelor of Science degree with a major in Computer Science and a hybrid format Master of Science degree with a major in Computer Science. The BS program also offers certifications in multiple domains, including Network and Computer Security, Game Programming, Software Engineering, and Broadband and Mobile Systems. Georgia Southern’s BS in Computer Science program is accredited by the Computing Accreditation Commission (CAC) of ABET.

The position is a 12-month, tenured appointment at the professor rank, and requires a terminal degree. The salary is competitive and commensurate with qualifications and experience.

Required Qualifications:

- Earned terminal degree in Computer Science, or closely related field from an accredited institution
- Effective communication and interpersonal skills
- Minimum of 5 years of full-time college/university teaching experience at the associate or higher level, and required to perform major and minor course development and teaching with a demonstrated commitment to excellence
- Ability to design, develop, and teach courses in at least two areas of the discipline
- Experience related to recruiting, developing, and retaining high-caliber faculty
- Experience with managing a department or program, including budgeting
- A history of an open administrative style, showing flexibility in governance and demonstrating the ability to adapt to new and emerging roles
- Demonstrated commitment to Inclusive Excellence. Candidates whose work furthers the institution’s goals and who bring to campus varied life experiences, perspectives, and backgrounds are especially encouraged to apply

Preferred Qualifications:

- Demonstrated strong leadership skills and ability to coordinate with other units or programs
- Teaching or research expertise in one or more of the following areas: computer architecture, networks, database, computer security, software engineering, and game programming
- Experience relevant to recruiting, developing, and retaining high-achieving faculty
- Experience with managing a department or program, including budgeting
- A history of an open administrative style, showing flexibility in governance and demonstrating the ability to adapt to new and emerging roles
- Demonstrated commitment to Inclusive Excellence. Candidates whose work furthers the institution’s goals and who bring to campus varied life experiences, perspectives, and backgrounds are especially encouraged to apply

Conditions of Employment:

- Must be authorized to work in the United States for the duration of employment
- Applicant must meet the required and preferred qualifications
- Faculty are expected to contribute to the vibrant university community by engaging students, participating in events, and performing other responsibilities on campus
- Faculty may be required to teach, conduct research, or perform service duties on any of the three campuses. Georgia Southern provides accessible transportation options between campuses.
- Screening of applications begins December 1, 2021 and continues until the position is filled.
- Applications and nominations should be submitted as an email attachment to: [https://apptrkr.com/2579414](https://apptrkr.com/2579414).
Georgia State University

Lecturer Positions

The Department of Computer Science at Georgia State University invites applications for multiple full-time lecturer positions. Each position focuses on providing teaching and service for diverse computer science students. Successful candidates must be able to demonstrate expertise in teaching Computer Science courses at both undergraduate and graduate levels.

Priority will be given to candidates who can teach courses related to Systems, Security, and Software Engineering.

Full details describing the positions and the application process can be found on the department website.

Georgia State University

Multiple Tenure Track Faculty Positions

The Department of Computer Science at Georgia State University invites applications for five tenure-track positions at the assistant professor level for Fall 2022. The targeted areas are Software Engineering, Systems, Artificial Intelligence, and Data Science.

GSU is an enterprising public R1 university located in downtown Atlanta, one of the largest and most racially/ethnically diverse cities in the Southeastern U.S. The 2022 U.S. News and World Reports rankings placed GSU as the #2 most innovative university in the country. The Computer Science department’s Ph.D. program is nationally competitive and ranked among the best in the Southeast, according to National Research Council data. The department’s faculty have been attracting substantial funding from many federal agencies, including seven NSF CAREER Awards.

The Department of Computer Science is committed to actively increase diversity and inclusion in the field of computing. Full details describing the positions and the application process can be found on the department website.

Georgia State University

Two Tenured/Tenure Track Faculty Positions (Next Generation Faculty Program)

The Department of Computer Science at Georgia State University invites applications for two tenure track/tenured positions at the assistant and associate professor levels as part of the Next Generation Faculty Program, a special initiative to increase interdisciplinary research in targeted areas. The two targeted areas are: Trustworthy AI and Astroinformatics.

Full details describing the positions and the application process can be found on the department website: https://csds.gsu.edu/employment-opportunities/

Georgia State University, Perimeter College

Computer Science Open Rank Tenure Track Faculty

The Department of Computer Science invites applications for a tenure track position in Computer Science. The successful candidate will provide 27-32 semester hours of instruction per academic year, provide student support and advising, work effectively and professionally with colleagues, contribute to the development and review of related undergraduate curricula, assist with program assessment activities, and maintain office hours for student advisement during academic year (August-May) appointments.

Expectations also include service to the college at the department, discipline, campus and college-wide levels. Perimeter College encourages and supports innovation and professional growth, expecting the successful candidate to demonstrate career goals that are consistent with the college’s mission.

A minimum of a Master’s degree required in Computer Science or a minimum of a Master’s degree with at least 18 semester or 27 quarter graduate hours in relevant coursework (completed by the anticipated date of appointment) is required. Preference will also be given to candidates who possess:

- Previous college-level teaching experience.
- Ph.D. in Computer Science or a related discipline.
- Demonstrated knowledge of Java and Python computer-programming languages.

Georgia State University, an Equal Opportunity/Affirmative Action university and accommodates individuals with disabilities. All applicants must comply
Professional Opportunities

with the Immigration Reform and Control Act. Women and minorities are strongly encouraged to apply. Notice of employment will be conditional on background verification.

Start date: August 1, 2022
First review: December 4, 2021
Close date: December 17, 2021

For additional details or to apply: https://perimetercareers.gsu.edu/postings/4062

Georgia Tech
Tenure-Track Faculty Hiring 2021-2022

The School of Computational Science and Engineering (CSE) in the College of Computing at the Georgia Institute of Technology invites applications for multiple openings at the Assistant Professor level (tenure-track); exceptional candidates at the Associate Professor and Professor level also will be considered. CSE focuses on foundational research of an interdisciplinary nature that enables advances in science, engineering, medical, and social domains. Applicants are expected to develop and sustain a research program in one or more of our core areas: high-performance computing, scientific and numerical computing, modeling and simulation, discrete algorithms, and large-scale data analytics (including machine learning and artificial intelligence).

All areas of research will be considered, especially scientific artificial intelligence (AI methods unique to scientific computing), urban computing (enabling effective design and operation of cities and urban communities), application-driven post-Moore’s law computing, and data science for fighting disease. Applicants must have an outstanding record of research and a commitment to teaching.

Applicants are expected to engage in substantive research with collaborators in other disciplines. For example, current faculty have domain expertise and/or collaborations in computational chemistry, earth sciences, biomedical and health sciences, urban systems and smart cities, social good and sustainable development, materials and manufacturing, and others.

For more information, including how to apply, go to: https://academicjobsonline.org/ajo/jobs/19677

For full consideration, applications are due by December 1, 2021. To be considered for the Edenfield Early Career Professorship, submit by November 1, 2021.

Georgia Tech is organized into six Colleges. The School of Computational Science and Engineering resides in the College of Computing along with the School of Computer Science, the School of Interactive Computing and the School of Cybersecurity and Privacy. Joint appointments with other Schools in the College of Computing as well as Schools in other Colleges will be considered.

Georgia Tech provides equal opportunity to all faculty, staff, students, and all other members of the Georgia Tech community, including applicants for admission and/or employment, contractors, volunteers, and participants in institutional programs, activities, or services. Georgia Tech complies with all applicable laws and regulations governing equal opportunity in the workplace and in educational activities. Georgia Tech prohibits discrimination, including discriminatory harassment, on the basis of race, ethnicity, ancestry, color, religion, sex (including pregnancy), sexual orientation, gender identity, national origin, age, disability, genetics, or veteran status in its programs, activities, employment, and admissions. This prohibition applies to faculty, staff, students, and all other members of the Georgia Tech community, including affiliates, invitees, and guests.

Habib University
Computer Science/Engineering

Job Description: Habib University invites applications for open rank Assistant/Associate Professor faculty position, in its Computer Science Program at the Dhanani School of Science and Engineering. The program seeks talented faculty who are passionate about teaching and student learning, and who are excited about the challenge of reimagining the teaching of Computer Science at the undergraduate level in line with global developments in the field.

Candidates must have completed or must be in the final stages of a doctoral degree in the relevant field from a leading global institution recognized for its strength in this field. Area of expertise is open, but the candidate should be prepared to teach a broad range of computer science courses including: introduction to computer science, software programming, database management, computer networking, technology management, etc.
Industry practitioners who want to return to academia are also encouraged to apply as Professors of Practice.

Find more about the position [here](#) or apply through the application form [here](#).

---

**Harvard Medical School**

*Postdoctoral fellow at Harvard/BWH*

We seek post-doctoral candidates to join the AI in Medicine Program at Harvard/Brigham and Women’s Hospital to develop natural language processing and other AI methods to improve the diagnosis and treatment of cancer. Mastery of Python and Java, and expertise with at least one deep learning framework (Tensorflow, PyTorch etc.) is required. Interest in medical applications is essential. The fellow will be appointed at Harvard Medical School.

To apply, please send an email with cover letter and CV (including 3 references) to Dr. Danielle Bitterman at danielle_bitterman@dfci.harvard.edu.

---

**Harvard University**

*Postdoctoral Fellow*

Harvard’s Institute for Applied Computational Science (IACS) in the John A. Paulson School of Engineering and Applied Science seeks to recruit and train the most talented, promising, and diverse group of post-doctoral researchers at the interface of computing and data science. IACS will foster young researchers and prepares them for tenure-track faculty careers with emphasis on those with a demonstrable track record of involvement in equity, diversity and inclusion in research, teaching and service.

The ideal IACS post-doctoral researcher will spark interdisciplinary collaborations in scientific fields interfacing with computing and data sciences. They will have substantial freedom in choosing their research focus; each will be assigned two mentors: one from Applied Mathematics/Computer Science/Statistics and one from a complementary scientific field. These collaborations will facilitate abstracting computational and data science challenges beyond their native domains, and will help create a common language across disciplines.

For the full listing and to apply, please visit: https://academicpositions.harvard.edu/postings/10492

---

**Idaho State University**

*Assistant Professor, Computer Science (3058)*  
*Pocatello - Main*

The Department of Computer Science (CS) at Idaho State University (ISU) invites applications for a full-time tenure-track faculty position at the rank of Assistant Professor. Preference will be given to applicants capable of contributing (by teaching and research) to the core CS areas such as computer architecture, parallel and distributed computing, computer networks, databases, computer vision, operating systems, algorithms, compilers, programming languages, formal methods, artificial intelligence, data science, and IoT.

The successful candidate is expected to establish and maintain an internationally recognized research program supported by external funding, guide research efforts in their areas of expertise, teach appropriate courses at the graduate and undergraduate levels, engage in scholarly activities, participate in outreach and service activities, and contribute to the University’s distance-learning activities.

**Minimum Qualifications**

- Candidates must have a Ph.D. in Computer Science (or closely related area) by the time of appointment.
- Regardless of specific CS areas, the successful candidate should demonstrate an ability to contribute to a curriculum that includes cybersecurity.
- Applicants must demonstrate evidence of independent scholarly activity indicated by refereed publications, works under review, and/or works-in-progress.
- Applicants must be able to conduct high-quality teaching and advising at undergraduate and graduate levels.
- The successful candidate will be expected to teach a wide variety of CS courses and demonstrate a commitment to graduate education at both the M.S. and Ph.D. levels.

**Preferred Qualifications**

- Preferred candidates will possess an outstanding record of scholarship and research contributions, with recognized accomplishments that demonstrate the relevance of their research to CS field in general.
Professional Opportunities

Founding Tenured/Tenure-Track Faculty in Computer Architecture and System

The Hong Kong University of Science and Technology (HKUST) is a leading international university ranked 1st by Times Higher Education Young University Rankings 2020 and 27th by QS World University Rankings 2021. HKUST establishes a new campus in Guangzhou, China (hkust-gz.edu.cn). The Guangzhou campus synergizes with and maintains the same academic standard as the Clear Water Bay campus. Microelectronics Thrust is an academic department focusing on theories and technologies for novel circuits, architectures, systems, and design automations.

Microelectronics Thrust has multiple tenured/tenure-track positions at the ranks of Assistant Professor, Associate Professor, and Professor. Applicants should have a PhD degree and research in areas such as processor, memory, and storage system architecture; reconfigurable architecture; interconnection network; multiprocessor system; neural computing; approximate computing; quantum computing; hardware-software codesign; compilation techniques; operating system; system software; power management; thermal management; embedded system; system-on-chip; system-in-package; electronic design automation; photonic design automation; integrated photonic circuit; RF/mm-Wave/terahertz technology; modeling and simulation technology; emerging technology. English is the instruction and administration medium at the Guangzhou campus, and a good command of written and spoken English is required.

- Applicants of tenure-track Assistant Professor should demonstrate strong research and teaching potentials.
- Applicants of Associate Professor should have a proven record in research, teaching, student supervision, and funding.
- Applicants of Professor should have world-class academic achievements, international academic leadership, and an established track record in teaching, student supervision and funding.

Salary and Conditions: Salary is of international standard and highly competitive. Generous research funding, ample laboratory space, and excellent research equipment and support will be provided. All the positions are tenured/tenure-track appointments in mainland China and offered by the HKUST mainland entity in accordance with the local employment laws and regulations. The appointments to Full Professor and some Associate Professor will be made on substantive basis. The initial appointments to Assistant Professor will be made on a fixed-term contract of up to three years, and re-appointments thereafter will be subject to performance and mutual agreement.

Application Procedure: Applications should be submitted at https://facrecruit.hkust.edu.hk which will be open until the positions are filled. If there is any question, please contact the Acting Head, Prof. Jiang Xu, at jiang.xu@ust.hk. HKUST is committed to equal opportunity and diversity in recruitment and employment. We strongly encourage candidates of diverse backgrounds to apply.
Professional Opportunities

- A record of excellence in externally funded research, teaching, ability to effectively communicate with students, and a record of public engagement are desirable.
- Preferred candidates will have experience and research potential in at least one of the current areas of CS, and should be capable of teaching core CS courses at the undergraduate and graduate level.

Apply online at https://isu.csod.com/ux/ats/careersite/5/home/requisition/1392?c=isu

Additional Information
- You must submit the following to be fully considered:
  - Cover letter detailing how the candidate meets the minimum and preferred qualifications of the position.
  - Curriculum Vitae listing all published or submitted publications and grant proposals as PI or co-PI, and industrial or other relevant professional experience.
  - Statement of teaching with list of courses taught with evidence of teaching excellence (please limit to two pages).
  - Statement of research (please limit to two pages).
  - A list of three (3) professional references with contact information.

This position will remain open until it is filled; however, priority consideration will be given to applications received prior to November 15, 2021. Salary will be commensurate with education and experience. Benefits include comprehensive health, dental, and vision; life insurance; disability plan; employee assistance program (EAP); excellent retirement options and company contribution; and generous paid time off/sick leave accrual. All offers of employment are conditional pending the successful completion of a background investigation, provided by HireRight.

Idaho State University is an equal opportunity/affirmative action employer.

Illinois Institute of Technology

Tenure-Track/Tenure Faculty

The Department of Computer Science at Illinois Institute of Technology invites applications for multiple tenure-track/tenured faculty positions at all ranks, appointments to start in Fall 2022. More information is available on this page.

Applicants must have a Ph.D. in computer science or a closely related field at the start of the appointment and should have demonstrated research accomplishment, a record of attracting external research funding where appropriate to their rank, and a commitment to teaching. We seek strong candidates in all areas of computer science.

The Department of Computer Science is part of the College of Computing and offers a range of bachelor’s, master’s, and Ph.D. degrees in Computer Science and related areas.

The department is in a significant growth phase as part of the university’s strategic plan, seeking to ambitiously grow its faculty and its impact during the coming years. It is also launching diverse new interdisciplinary programs as part of the university’s new College of Computing, and has strong growing partnerships with Chicago’s tech community.

Illinois Institute of Technology, a private, technology-focused research university, is located just 10 minutes from downtown Chicago in the historic Bronzeville neighborhood. The university has a long history of strong partnerships and collaborations with the Bronzeville community, local companies, government labs, and nonprofits.

Illinois Institute of Technology is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA employer committed to enhancing equity, inclusion and diversity within its community. It actively seeks applications from all individuals regardless of race, color, sex, marital status, religion, creed, national origin, disability, age, military or veteran status, sexual orientation, and/or gender identity and expression. All qualified applicants will receive equal consideration for employment.

Applicants should apply online at https://academicjobsonline.org/ajo/jobs/20251.

Review of applications will begin November 15, 2021, and continue until all available positions are filled.

The IMDEA Software Institute

Tenure-track Faculty Positions

The IMDEA Software Institute invites applications for tenure-track (Assistant Professor) faculty positions. We are
primarily interested in recruiting excellent candidates in the areas of: Systems in general, including Distributed Systems, Embedded Systems, Databases, IoT and Edge Computing, etc.; Privacy; Machine Learning; Cyber-Physical Systems; and Software Engineering. Exceptional candidates in other topics within the general research areas of the Institute will also be considered. Tenured-level (Associate and Full Professor) applications are also welcome.

The primary mission of the IMDEA Software Institute is to perform research of excellence at the highest international level in software development technologies. It is one of the highest-ranked institutions worldwide in its main topic areas.

**Selection Process**

The main selection criteria are the candidate’s demonstrated ability and commitment to research, the match of interests with the Institute’s mission, and how the candidate complements areas of established strengths of the Institute. All positions require a doctoral degree in Computer Science or a closely related area, earned by the expected start date. Candidates for tenure-track positions will have shown exceptional promise in research and will have displayed an ability to work independently as well as collaboratively. Candidates for tenured positions must have an outstanding research record, recognized international stature, and demonstrated leadership abilities. Experience in graduate student supervision is also valued at this level.

**Applications should be completed using the application form at:**

[https://careers.software.imdea.org](https://careers.software.imdea.org)

Please select the reference “2021-10-faculty-call” at the beginning of the form. For full consideration, complete applications must be received by **December 20, 2021**, although applications will continue to be accepted until the positions are filled.

**Working at the IMDEA Software Institute**

The Institute is located in the vibrant area of Madrid, Spain. It offers an ideal working environment, combining the best aspects of a research center and a university department. Its researchers can focus on developing new ideas and projects, in collaboration with world-leading, international faculty, post-docs, and students. Researchers also have the opportunity (but no obligation) to teach university courses. The Institute offers institutional funding and also encourages its members to participate in national and international research projects. The working language at the Institute is English.

Salaries at the Institute are internationally competitive and established on an individual basis. They include social security provisions in accordance with existing national Spanish legislation, and in particular access to an excellent public health care system.

**Further information about the Institute’s current faculty and research can be found at [http://www.software.imdea.org](http://www.software.imdea.org)**

The IMDEA Software Institute is an Equal Opportunity Employer and strongly encourages applications from a diverse and international community and underrepresented groups. The Institute complies with the European Charter for Researchers.

---

**Indian Institute of Information Technology Sri City**

**Assistant Professors**

Indian Institute of Information Technology Sri City Chittoor (IIITS) is established as an Institute of National Importance under an Act of Parliament. IIITS is located in a large industrial town Sri City (about 60 KMs from Chennai on the Nellore Highway). IIITS has a special focus on teaching/research in areas such as AI, Machine Learning, Deep Learning, Reinforcement Learning, Cyber Security, Software Engineering (with practical system development experiences), Big Data Analytics, Data Science, Natural Language Processing, etc. IIITS is looking for highly qualified and motivated individuals to join the team of faculty in Computer Science and Engineering and Electronics and Communications Engineering. For further details such as Institute Profile, Interest Areas, Pay/Reward Structure, etc., please visit the following [link](#).

Apply on/before December 4th, 2021 for current round.
Indiana University

Assistant Professor in Quantum Photonics and Nanoscale Optics Engineering

The Luddy School of Informatics, Computing, and Engineering at Indiana University-Bloomington (IUB) invites applications for a tenure track assistant professor position in experimental Quantum Photonics and Nanoscale Optics Engineering in the Department of Intelligent Systems Engineering (ISE) to begin in August 2022. ISE is a diverse department exploring the applications of modern computing and technology across a broad range of areas, from sensors to robotics to high-performance computing to bioengineering. This position is part of IUB’s Emerging Areas of Research initiative that is funding significant growth in these areas through the Quantum Science and Engineering Center (IU-QSEC). [https://qsec.sitehost.iu.edu/](https://qsec.sitehost.iu.edu/).

Candidates should show commitment to the collaborative and transdisciplinary development of the IU-QSEC and ISE’s activities in quantum information science and engineering, including, but not limited to quantum computation, simulation, sensing, and communication.

ISE faculty are expected to develop an active, externally-funded research program.

The successful candidate will have the opportunity to collaborate with existing efforts in multi-functional structured optical fibers for Quantum Interconnects (QuIC) [https://fames.indiana.edu/](https://fames.indiana.edu/), conventional and quantum networks, and quantum simulation with both trapped atoms and ions [https://ultracold.physics.indiana.edu/](https://ultracold.physics.indiana.edu/).

We seek candidates committed to excellence in teaching courses of interest to a broad range of both undergraduate and graduate engineering students and whose teaching fosters diversity and inclusion.

Duties will include research, teaching multi-level courses both online and in person, participating in course design and assessment, and service to the School.

Applicants should have a demonstrable potential for excellence in research and teaching and a Ph.D. in engineering, physics, or a related scientific discipline expected before August 2022.

Applications received before December 1, 2021 will be assured full consideration; however, the search will remain open until a suitable candidate is found. Candidates should review application requirements, learn about IU, Luddy School, and benefits, and apply online at: [https://indiana.peopleadmin.com/postings/11465](https://indiana.peopleadmin.com/postings/11465)

Questions may be sent to Prof. James A. Glazier ([jaglazier@gmail.com](mailto:jaglazier@gmail.com)) or Prof. Alexander Gumennik ([gumennik@iu.edu](mailto:gumennik@iu.edu)).

Indiana University is an equal employment and affirmative action employer and a provider of ADA Services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.
Professional Opportunities

should be able to demonstrate a record of teaching excellence and enthusiasm. Applicants should preferably have two academic years’ experience (may be part-time). Luddy School seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education.

Lecturers at Indiana University are valued members of the faculty and are expected to support the teaching mission of the Luddy School through excellence in pedagogical practice, service to the school and academic programs, and inquiry into the advancement of pedagogy in computing.

Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle. IU is renowned for its top-ranked music school, high-performance computing and networking facilities, and performing and fine arts.

Online applications received before December 1, 2021 will be assured full consideration; however, the search will remain open until a suitable candidate is found. Candidates should review application requirements, learn about IU, Luddy School, and benefits, and apply online at: https://indiana.peopleadmin.com/postings/11514

Questions may be emailed: bhimebau@indiana.edu

Indiana University, Bloomington

Assistant Professor in Informatics – Artificial Intelligence and Network Science

The Luddy School of Informatics, Computing, and Engineering at Indiana University (IU) Bloomington invites applications for a full-time tenure-track Assistant Professor position in the Informatics Department to begin on August 1, 2022. We welcome any candidates who study artificial intelligence, complex systems, and network science (all broadly defined). Potential research areas include, but are not limited to, deep learning, graph neural networks, complex systems, complex networks, computational neuroscience, computational social science, social media analytics, agent-based models, and the impacts of AI and social media on society. We especially welcome applications from members of underrepresented groups in computing.

We seek candidates prepared to contribute to our commitment to diversity and inclusion in higher education, especially those with experience in teaching or working with diverse student populations. Duties will include research, teaching multi-level courses both online and in-person, participating in course design and assessment, and service to the School.

Applicants should have a demonstrable potential for excellence in research and teaching and a Ph.D. in computer science, informatics, computational science, data science, or a related field expected before August 2022.

Applications received before December 1, 2021 will be assured full consideration; however, the search will remain open until a suitable candidate is found. Candidates should review application requirements, learn about IU, Luddy School, and benefits, and apply online at: https://indiana.peopleadmin.com/postings/11497

Questions may be sent to smilojev@indiana.edu

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.

Indiana University, Bloomington

Assistant Professors in Computer Science

The Luddy School of Informatics, Computing, and Engineering at Indiana University Bloomington (IUB) invites applications for multiple tenure-track assistant professor positions in the Department of Computer Science in the areas of artificial intelligence, databases, computer systems and networks, and quantum computing to begin August 1, 2022. Duties will include research, teaching
Professional Opportunities

multi-level courses both online and in-person, and service to the School.

Artificial Intelligence/Databases: We are looking for candidates with research interests in the areas of database theory, database systems, machine learning theory and applications, artificial intelligence, and data mining.

Computer Systems and Networks: We seek candidates who can teach and lead research in the following areas: operating systems, distributed systems, computer networks, embedded systems, and computer architecture. We are particularly interested in candidates working on computer systems that have applications in artificial intelligence or that are applying machine learning techniques to computer systems.

Quantum Information: We are particularly interested in candidates with research interests in formal models of computation, algorithms, information theory, and machine learning with connection to quantum computation, quantum simulation, quantum cryptography, or quantum information science. The successful candidate will also be a Quantum Computing and Information Science Faculty Fellow supported in part for the first three years by a National Science Foundation-funded program, and a member of the IU Quantum Science and Engineering Center.

We seek candidates prepared to contribute to our commitment to diversity and inclusion in higher education, especially those with experience in teaching or working with diverse student populations.

Applicants should have a demonstrable potential for excellence in research and teaching and a PhD in Computer Science or a relevant field expected before August 2022.

Online applications received before December 1, 2021 are assured full consideration; however, the searches will remain open until suitable candidates are found. Candidates should review application requirements, learn about IU, Luddy School, and benefits, and apply online at appropriate link below:

For AI/Databases apply at https://indiana.peopleadmin.com/postings/11521 (and send questions to qzhangcs@indiana.edu).

For Computer Systems and Networks apply at https://indiana.peopleadmin.com/postings/11522 (and send questions to jsiek@indiana.edu).

For Quantum Information apply at https://indiana.peopleadmin.com/postings/11523 (and send questions to hatang@indiana.edu).

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.

Indiana University, Bloomington

Faculty Positions in Human Computer Interaction

The Luddy School of Informatics, Computing, and Engineering (https://luddy.indiana.edu) at Indiana University Bloomington (IUB) invites applications for one tenure-track or tenured Associate or Full Professor position and two tenure-track Assistant Professor positions in the Department of Informatics to begin on August 1st 2022 in the area of human-computer interaction (HCI).

The Associate or Full Professor appointee will serve as the Director of our HCI/design program (https://hcid.luddy.indiana.edu) — one of the most preeminent programs of its kind, with an eighteen-year history and an international reputation.

We are particularly interested in candidates who can teach and mentor students in any of the following areas (no order intended): Human-Centered Computing, Human-Computer Interaction (HCI) broadly defined, Ethnographic Methods in HCI, Design-Oriented HCI, Sustainable Interaction Design (SID) or Sustainable HCI (SHCI), AI and HCI, Social Justice and HCI, UI/UX.

We seek candidates prepared to contribute to our commitment to diversity and inclusion in higher education, especially with experience in teaching or working with diverse student populations. Duties will include teaching, research, service, and mentorship of students at the undergraduate, M.S., and Ph.D. levels. New faculty will be part of the HCI/d faculty and will participate in course design.

Applicants should have an established record of (for senior level) or a demonstrable potential for (for junior level) excellence in research and teaching, and a Ph.D. in Informatics, Computer Science, HCI, Design, or a related area expected before August 2022.

Online applications received before December 1, 2021 will be assured full consideration.
however, the searches will remain open until suitable candidates are found.

Candidates should review application requirements, learn about IU, Luddy School, and benefits, and apply online at appropriate link below based on qualifications and interests in below rank titles.

**Tenure-Track Assistant Professors in HCI:**
[https://indiana.peopleadmin.com/postings/11507](https://indiana.peopleadmin.com/postings/11507)

**Tenure-Track or Tenured Associate or Full Professor and Director of HCI/design program:**
[https://indiana.peopleadmin.com/postings/11508](https://indiana.peopleadmin.com/postings/11508)

Questions may be sent to Professor and Search Committee Chair Eli Blevis ([eblevis@indiana.edu](mailto:eblevis@indiana.edu)).

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.

---

**Indiana University, Bloomington**

**Lecturer in Computer Science**

The Luddy School of Informatics, Computing, and Engineering at Indiana University Bloomington (IUB) invites applications for one full-time non-tenure-track lecturer position in the Computer Science Department to begin on August 1, 2022. Teaching experience in one or more of the following areas is preferred: game development, mobile app development, artificial intelligence and machine learning, and computer systems. We seek candidates prepared to contribute to our commitment to diversity and inclusion in higher education, especially those with experience in teaching or working with diverse student populations.

Responsibilities include teaching courses both online and in-person, supervising associate instructors assigned to your classes, development of laboratory material, grading, and other duties as assigned. After successfully completing a probationary period, lecturers are eligible for long-term contracts and promotion to senior lecturer. Salary will be commensurate with qualifications and experience.

A Master’s of Science (MS) or higher degree in Computer Science or a related discipline, or equivalent tested experience such as experience and mastery in industry is required. Candidates should be able to demonstrate a record of teaching excellence and enthusiasm.

As valued members of the faculty, lecturers are expected to support the teaching mission of the Luddy School through excellence in pedagogical practice, service to the school and academic programs, and inquiry into the advancement of pedagogy in computing.

Online applications received before December 1, 2021 are assured full consideration; however, the search will remain open until a suitable candidate is found. Candidates should review application requirements, learn about IU, Luddy School, and benefits, and apply online at: [https://indiana.peopleadmin.com/postings/11524](https://indiana.peopleadmin.com/postings/11524)

Questions may be sent to Charles Pope ([cepope@indiana.edu](mailto:cepope@indiana.edu)).

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.

---

**Indiana University, Bloomington**

**Assistant Professor in the Social and Ethical Implications of Computing**

The Luddy School of Informatics, Computing, and Engineering at Indiana University (IU) Bloomington invites applications for a full-time tenure-track Assistant Professor position in the Informatics Department to begin on August 1, 2022. We are particularly interested in candidates whose research explores the social and ethical implications of artificial intelligence and other computing technologies, including but not limited to algorithmic bias, social justice, the future of work, sustainability, and/or health and wellness.

The Department of Informatics is the largest of four academic units within the Luddy School of Informatics, Computing, and Engineering. With almost 1200 undergraduate majors, the Informatics undergraduate program is one of the most popular and successful on the Indiana University
Professional Opportunities

IU School of Informatics and Computing at IUPUI

Assistant/Associate Professor of Data Science

The Indiana University School of Informatics and Computing at IUPUI invites applications for a tenure-track assistant/associate professor position in data science. The appointment will begin August 1, 2022 in the Department of Human-Centered Computing at the Indianapolis campus. Candidates must demonstrate an outstanding scholarly record of research, exhibited by high-impact peer-reviewed publications and a forward-looking, vigorous research agenda that will secure competitive, external funding. An exceptional researcher in data science is sought to join our fast-growing department and data science graduate programs. Research expertise in any promising area of data science will be considered including, but not exclusively, data mining, deep learning, statistical machine learning, descriptive, predictive, and prescriptive analytics, cloud computing, distributed databases, data visualization, or other areas involving the collection, organization, management, and extraction of knowledge from massive, complex, heterogeneous datasets. Data may include text, images, video, sensor and instrument data, clickstream data, social media interactions, neuroimaging data, genomics, health data, and so on. Additional AI-ML application areas of interest would be in AI and fairness/bias detection in health, education, and wage disparities; computational foundations of information/data ethics and policy.

Qualifications
• Ph.D. in Computer Science, Information Science, Statistics, Data Science, or related discipline. Applicants must complete their degree before the starting date of the appointment.
• Demonstrated ability to develop a record of outstanding research productivity and impact in fundamental aspects of data science. The ability to secure external funding is required.
• Demonstrated ability to teach effectively in-person, online, or in blended learning for courses in areas such as statistical machine learning, mathematical foundations of data science, data analytics, deep learning, cloud computing and related areas.

As the state’s premier urban research institution, IUPUI is committed to being a welcoming campus community that reflects and enacts the values of diversity, equity and inclusion that inform academic excellence. We seek candidates who will not only enhance our representational diversity but whose research, teaching, and community engagement efforts contribute to diverse, equitable, and inclusive learning and working environments for our students, staff, and faculty. IUPUI condemns racism in all its forms and has taken an anti-racist stance that moves beyond mere statements to interrogating its policies, procedures, and practices. We hope to identify individuals who will assist in our mission to dismantle racism so that everyone has the opportunity to succeed at IUPUI.

Questions pertaining to this position can be directed to the Chair of the Department

IU School of Informatics and Computing at IUPUI

Assistant/Associate Professor of Data Science

The Indiana University School of Informatics and Computing at IUPUI invites applications for a tenure-track assistant/associate professor position in data science. The appointment will begin August 1, 2022 in the Department of Human-Centered Computing at the Indianapolis campus. Candidates must demonstrate an outstanding scholarly record of research, exhibited by high-impact peer-reviewed publications and a forward-looking, vigorous research agenda that will secure competitive, external funding as Principal Investigator (PI).

An exceptional researcher in data science is sought to join our fast-growing department and data science graduate programs. Research expertise in any promising area of data science will be considered including, but not exclusively, data mining, deep learning, statistical machine learning, descriptive, predictive, and prescriptive analytics, cloud computing, distributed databases, data visualization, or other areas involving the collection, organization, management, and extraction of knowledge from massive, complex, heterogeneous datasets. Data may include text, images, video, sensor and instrument data, clickstream data, social media interactions, neuroimaging data, genomics, health data, and so on. Additional AI-ML application areas of interest would be in AI and fairness/bias detection in health, education, and wage disparities; computational foundations of information/data ethics and policy.

Qualifications
• Ph.D. in Computer Science, Information Science, Statistics, Data Science, or related discipline. Applicants must complete their degree before the starting date of the appointment.
• Demonstrated ability to develop a record of outstanding research productivity and impact in fundamental aspects of data science. The ability to secure external funding is required.
• Demonstrated ability to teach effectively in-person, online, or in blended learning for courses in areas such as statistical machine learning, mathematical foundations of data science, data analytics, deep learning, cloud computing and related areas.

As the state’s premier urban research institution, IUPUI is committed to being a welcoming campus community that reflects and enacts the values of diversity, equity and inclusion that inform academic excellence. We seek candidates who will not only enhance our representational diversity but whose research, teaching, and community engagement efforts contribute to diverse, equitable, and inclusive learning and working environments for our students, staff, and faculty. IUPUI condemns racism in all its forms and has taken an anti-racist stance that moves beyond mere statements to interrogating its policies, procedures, and practices. We hope to identify individuals who will assist in our mission to dismantle racism so that everyone has the opportunity to succeed at IUPUI.

Questions pertaining to this position can be directed to the Chair of the Department

IU School of Informatics and Computing at IUPUI

Assistant/Associate Professor of Data Science

The Indiana University School of Informatics and Computing at IUPUI invites applications for a tenure-track assistant/associate professor position in data science. The appointment will begin August 1, 2022 in the Department of Human-Centered Computing at the Indianapolis campus. Candidates must demonstrate an outstanding scholarly record of research, exhibited by high-impact peer-reviewed publications and a forward-looking, vigorous research agenda that will secure competitive, external funding as Principal Investigator (PI).

An exceptional researcher in data science is sought to join our fast-growing department and data science graduate programs. Research expertise in any promising area of data science will be considered including, but not exclusively, data mining, deep learning, statistical machine learning, descriptive, predictive, and prescriptive analytics, cloud computing, distributed databases, data visualization, or other areas involving the collection, organization, management, and extraction of knowledge from massive, complex, heterogeneous datasets. Data may include text, images, video, sensor and instrument data, clickstream data, social media interactions, neuroimaging data, genomics, health data, and so on. Additional AI-ML application areas of interest would be in AI and fairness/bias detection in health, education, and wage disparities; computational foundations of information/data ethics and policy.

Qualifications
• Ph.D. in Computer Science, Information Science, Statistics, Data Science, or related discipline. Applicants must complete their degree before the starting date of the appointment.
• Demonstrated ability to develop a record of outstanding research productivity and impact in fundamental aspects of data science. The ability to secure external funding is required.
• Demonstrated ability to teach effectively in-person, online, or in blended learning for courses in areas such as statistical machine learning, mathematical foundations of data science, data analytics, deep learning, cloud computing and related areas.

As the state’s premier urban research institution, IUPUI is committed to being a welcoming campus community that reflects and enacts the values of diversity, equity and inclusion that inform academic excellence. We seek candidates who will not only enhance our representational diversity but whose research, teaching, and community engagement efforts contribute to diverse, equitable, and inclusive learning and working environments for our students, staff, and faculty. IUPUI condemns racism in all its forms and has taken an anti-racist stance that moves beyond mere statements to interrogating its policies, procedures, and practices. We hope to identify individuals who will assist in our mission to dismantle racism so that everyone has the opportunity to succeed at IUPUI.

Questions pertaining to this position can be directed to the Chair of the Department

IU School of Informatics and Computing at IUPUI

Assistant/Associate Professor of Data Science

The Indiana University School of Informatics and Computing at IUPUI invites applications for a tenure-track assistant/associate professor position in data science. The appointment will begin August 1, 2022 in the Department of Human-Centered Computing at the Indianapolis campus. Candidates must demonstrate an outstanding scholarly record of research, exhibited by high-impact peer-reviewed publications and a forward-looking, vigorous research agenda that will secure competitive, external funding as Principal Investigator (PI).

An exceptional researcher in data science is sought to join our fast-growing department and data science graduate programs. Research expertise in any promising area of data science will be considered including, but not exclusively, data mining, deep learning, statistical machine learning, descriptive, predictive, and prescriptive analytics, cloud computing, distributed databases, data visualization, or other areas involving the collection, organization, management, and extraction of knowledge from massive, complex, heterogeneous datasets. Data may include text, images, video, sensor and instrument data, clickstream data, social media interactions, neuroimaging data, genomics, health data, and so on. Additional AI-ML application areas of interest would be in AI and fairness/bias detection in health, education, and wage disparities; computational foundations of information/data ethics and policy.

Qualifications
• Ph.D. in Computer Science, Information Science, Statistics, Data Science, or related discipline. Applicants must complete their degree before the starting date of the appointment.
• Demonstrated ability to develop a record of outstanding research productivity and impact in fundamental aspects of data science. The ability to secure external funding is required.
• Demonstrated ability to teach effectively in-person, online, or in blended learning for courses in areas such as statistical machine learning, mathematical foundations of data science, data analytics, deep learning, cloud computing and related areas.

As the state’s premier urban research institution, IUPUI is committed to being a welcoming campus community that reflects and enacts the values of diversity, equity and inclusion that inform academic excellence. We seek candidates who will not only enhance our representational diversity but whose research, teaching, and community engagement efforts contribute to diverse, equitable, and inclusive learning and working environments for our students, staff, and faculty. IUPUI condemns racism in all its forms and has taken an anti-racist stance that moves beyond mere statements to interrogating its policies, procedures, and practices. We hope to identify individuals who will assist in our mission to dismantle racism so that everyone has the opportunity to succeed at IUPUI.

Questions pertaining to this position can be directed to the Chair of the Department
Professional Opportunities

Indiana University Luddy School of Informatics, Computing, and Engineering

Assistant Professors in Computer Systems Engineering (ISE Department)

The Luddy School of Informatics, Computing, and Engineering at Indiana University-Bloomington (IUB) invites applications for two tenure-track Assistant Professor positions in the Department of Intelligent Systems Engineering (ISE) to begin in August 2022. ISE is an innovative program that focuses on the intersection of intelligent computing methods and systems engineering. ISE offers BS, MS, and Ph.D. degrees with specializations in Computer Engineering, Cyber-physical Systems, Bioengineering, and Molecular and nanoscale engineering at the Undergraduate level, with additional graduate-level programs in Neuroengineering and Environmental Engineering.

We are particularly interested in hiring in the academic domain of computer systems engineering including specializations in high-performance computing, intelligent systems, applied machine learning and artificial intelligence, reconfigurable computing, embedded (edge) systems, and cyber-physical systems. Preference will be given to applicants who address systems problems with application in one or more of these ISE concentrations.

Faculty in ISE are expected to develop an active, externally-funded research program engaging students at all levels. Professional duties will include research, teaching of undergraduate and graduate level courses, participating in course curriculum development and assessment, service to the School, and involvement in professional communities. We seek candidates committed to excellence in teaching courses of interest to a broad range of both undergraduate and graduate engineering students while fostering diversity and inclusion.

Applicants should have a demonstrable potential for excellence in research and teaching and a PhD (or ScD) in Engineering, Computing, or a related scientific discipline expected to be awarded prior to August 2022.

Applications received before December 12, 2021 will be assured full consideration; however, the search will remain open until suitable candidates have been appointed.

Candidates should review application requirements, become informed about IU, the Luddy School, and its many opportunities, and apply online at: https://indiana.peopleadmin.com/postings/11772

Questions about the position may be directed to isechair@indiana.edu

Indiana University Purdue University Indianapolis (IUPUI)

Department of Computer and Information Science

The Department of Computer and Information Science at IUPUI is seeking to hire a tenure-track assistant professor in Intelligent Software Systems and Software Engineering, and Artificial Intelligence and Robotics, beginning in Fall 2022. The candidates should have a Ph.D. degree in Computer Science or a related field.

Position details and instructions to apply can be found at https://indiana.peopleadmin.com/postings/11652.

Questions about the position may be sent to wittlief@iupui.edu.

IUPUI is an EEO/AA Employer, M/F/D.
Indiana University–Purdue University

The Purdue School of Engineering and Technology

Assistant Professor with focus in Cybersecurity

The Purdue School of Engineering and Technology, Indiana University–Purdue University Indianapolis (IUPUI) invites applications for one tenure-track position in the Department of Computer Information and Graphics Technology. The start date is anticipated to be either January 1, 2022 or August 1, 2022. Applicants should have a strong record of research, show significant potential for establishing and sustaining an externally funded research program, be committed to teaching both undergraduate and graduate courses, and mentoring M.S. and Ph.D. students.

We are interested in applicants whose research focuses on Cybersecurity. Applicants whose research applies Cybersecurity to existing School strengths, such as Intelligent Transportation, IoT, Artificial Intelligence, and other areas of intelligent systems are strongly encouraged to apply. A doctorate in Computer Science, Computer Engineering, Electrical Engineering, or a related discipline focusing on Cybersecurity is required by the start date of the position.

The Department of Computer Information and Graphics Technology offers several degrees, including a B.S. in Cybersecurity, an M.S. in Cybersecurity and Trusted Systems, and also participates in the Computer Engineering Ph.D. program offered by the Department of Electrical and Computer Engineering.

We seek candidates whose research, teaching, and community engagement efforts contribute to diverse, equitable, and inclusive learning and working environments for our students, staff, and faculty. IUPUI condemns racism in all its forms and has taken an antiracist stance that moves beyond mere statements to interrogating its policies, procedures, and practices.

Applications must include a letter of interest, curriculum vitae, and a summary of scholarship including research and teaching interests, and contact information for at least three references.

Apply for this position at https://indiana.peopleadmin.com/postings/11332

Applications are welcome until the position is filled. IUPUI is an Equal Opportunity/Affirmative Action educator and employer and affords reasonable accommodations to persons with disabilities.

Iowa State University

Technical-Manager/Engineer and Postdoc/Research-Scientist Positions

In part for the ARA wireless living lab project (https://arawireless.org/), which is a part of the National Science Foundation Platforms for Advanced Wireless Research (PAWR) program (https://advancedwireless.org/about-pawr), we have a Technical-Manager/Engineer position and a Postdoc/Research-Scientist position in wireless and edge systems for rural broadband, 5G and beyond. One mission is to join the ARA project team to establish a large-scale, first-of-its-kind wireless living lab encompassing bleeding-edge technologies and innovation platforms (e.g., those for free-space optical communications, mmWave, massive MIMO, LEO satcom, URLLC, communications and networking softwarization, AR/VR, and precision agriculture) and to collaborate with a broad ecosystem of public-private partners in advancing the frontiers of wireless systems, edge/cloud computing, and rural broadband. More detailed information about the positions can be found at https://arawireless.org/career/.

Interested candidates are encouraged to email Hongwei Zhang (hongwei@iastate.edu) with relevant background information (e.g., education, experience, transcripts, and/or publications) and the names of up to three references.

Applications will be considered until the positions are filled.

Johns Hopkins University

Department Head, Civil and Systems Engineering

The Whiting School of Engineering at Johns Hopkins University invites nominations and applications for the position of Head of the Department of Civil & Systems Engineering (CaSE). This is an outstanding opportunity for
an accomplished scholar to collaborate with a growing faculty and an enterprising dean to lead a collegial and innovative department at the nation’s first research university. Serving a renewable five-year term, the Head will be appointed in CaSE, with secondary appointment(s) possible elsewhere, and will be encouraged to remain active in research, with strategic leadership of the Department as their top priority.

CaSE faculty have identified a set of Grand Societal Challenges to drive innovation in research and education: Resilient Cities, Space Exploration and Habitation, Decision-Making and Health, Human Safety & Security, and Future Energy Infrastructure. A shorthand term for the spirit that motivates CaSE is “civilization engineered.” These challenges, along with an updated curriculum, evolved name for the Department, and initiatives aligned with research institutes at the University all grew out of a recently completed faculty-centered strategic planning process. Within the department, the faculty address these goals with a shared passion for computationally based, multi-disciplinary solutions across three overlapping domains and scales: systems, structures, and mechanics of materials.

The new Head will be a proven, entrepreneurial leader with the vision and organizational skills to advance CaSE’s distinctive approach to its fields and will have a track record of impact in diversity, equity, and inclusion that will build on the Whiting School’s commitment to these values. The Head will continue to position the Department as a center of innovation in research, teaching, and translation, and to advocate for CaSE initiatives, faculty, and students to the University’s senior administration. Candidates will possess a scholarly record deserving appointment as a tenured full professor at The Johns Hopkins University.

Applicants should submit a letter of interest outlining their experience in and vision for research, education, and academic leadership; their C.V.; and a statement describing their contributions to diversity, equity, and inclusion. Review of credentials will begin in November and will continue until the appointment is finalized. Every effort will be made to ensure candidate confidentiality.

The Whiting School of Engineering has engaged Opus Partners (www.opuspartners.net) to support the recruitment of the CaSE Department Head. Please send application materials, nominations, and inquiries to Jeffrey.stafford@opuspartners.net.

---

**Johns Hopkins University**

**Tenure-Track Faculty, Department of Computer Science**

The Johns Hopkins University’s Department of Computer Science seeks applicants for tenure-track faculty positions at all levels and across all areas of computer science. The department is particularly interested in applicants in the areas of natural language processing, including machine reasoning and grounded language. Our search will also focus on machine learning, artificial intelligence and human-computer interaction. The search will concentrate on candidates applying at the Assistant Professor level, however all qualified applicants will be considered.

The Department of Computer Science has 32 full-time tenured and tenure-track faculty members, 7 research and 6 teaching faculty members, 225 PhD students, over 200 MSE/MSSI students, and over 600 undergraduate students. There are several affiliated research centers and institutes including the Center for Computational Biology (CCB), the Laboratory for Computational Sensing and Robotics (LCSR), the Center for Language and Speech Processing (CLSP), the JHU Information Security Institute (JHU ISI), the Institute for Data Intensive Engineering and Science (IDIES), the Malone Center for Engineering in Healthcare (MCEH), the Institute for Assured Autonomy (IAA), and the Mathematical Institute for Data Science (MINDS). More information about the Department of Computer Science can be found at [https://www.cs.jhu.edu](https://www.cs.jhu.edu) and about the Whiting School of Engineering at [https://engineering.jhu.edu](https://engineering.jhu.edu).

The department is conducting a broad and inclusive search and is committed to identifying candidates who through their research, teaching and service will contribute to the diversity and excellence of the academic community. More information on diversity and inclusion in the department is available at [https://www.cs.jhu.edu/diversity/](https://www.cs.jhu.edu/diversity/).

Applicants should submit a curriculum vitae, a research statement, a teaching statement, three recent publications, and
Professional Opportunities

complete contact information for at least three references.

Applications must be made on-line at http://apply.interfolio.com/98186.

While candidates who complete their applications by January 7, 2022 will receive full consideration, the department will consider applications submitted after that date. Questions may be directed to fsearch2021@cs.jhu.edu.

The Johns Hopkins University is committed to equal opportunity for its faculty, staff, and students. To that end, the university does not discriminate on the basis of sex, gender, marital status, pregnancy, race, color, ethnicity, national origin, age, disability, religion, sexual orientation, gender identity or expression, veteran status or other legally protected characteristics. The university is committed to providing qualified individuals access to all academic and employment programs, benefits and activities on the basis of demonstrated ability, performance and merit without regard to personal factors that are irrelevant to the program involved.

Kennesaw State University

Postdoctoral Researcher

About Us

A leader in innovative teaching and learning, Kennesaw State University offers undergraduate, graduate and doctoral degrees to its more than 41,000 students. With 11 colleges on two metro Atlanta campuses, Kennesaw State is a member of the University System of Georgia and the second-largest university in the state. The university’s vibrant campus culture, diverse population, strong global ties and entrepreneurial spirit draw students from throughout the region and from 126 countries across the globe. Kennesaw State is a Carnegie-designated doctoral research institution (R2), placing it among an elite group of only 6 percent of U.S. colleges and universities with an R1 or R2 status. For more information, visit kennesaw.edu.

Location

Our Kennesaw campus is located at 1000 Chastain Road NW, Kennesaw, GA 30144. Our Marietta campus is located at 1100 South Marietta Parkway, Marietta, GA 30060.

Job Summary

Postdoctoral Researchers support teams of KSU faculty and students (undergraduate and graduate students), which engage with external collaborators from other universities, community members, government agencies, and/or private sector entities to stimulate innovation, capacity-building, and sustainability of research and scholarly activity at KSU.

Highlights of this position are provided below:

DEPARTMENT SPECIFIC TASKS AND RESPONSIBILITIES:

1. Collaborates on research relevant to high performance computing with faculty and researchers from different disciplines
2. Performs research in a discipline that utilizes high performance computing systems and disseminate results as quality peer-reviewed research papers in national and international conferences and journals or presentations
3. Assists or works with researchers and students to improve and optimize their code and configurations to utilize computational resources effectively

Educational Requirements

Ph.D. from an accredited institution of higher education

Equal Employment Opportunity

Kennesaw State University is an Equal Employment Opportunity/Affirmative Action Employer. It is the policy of Kennesaw State University to recruit, hire, train, promote and educate persons without regard to age, color, disability, ethnicity, gender, national origin race religion, sexual orientation, or status as a protected Veteran. Kennesaw State University is a participant in the Employment Eligibility Verification Program (E-Verify) effective October 15, 2007. Participant ID: 61415
Professional Opportunities

KENTECH
Seeks Global Leaders in Energy Technology

Job Description:

Korea Institute of Energy Technology (KENTECH) is seeking world-class, innovative, and collaborative scholars to fill tenured and tenure-track faculty positions in KENTECH’s five energy tracks to cope with global energy challenges associated with climate change: Energy Artificial Intelligence, Energy Materials and Devices, Grid Modernization, Hydrogen Energy, and Environmental and Climate Technology. Successful applicants are expected to develop and lead internationally recognized energy-related research programs with a strong commitment to the field-initiated, problem-solving undergraduate and graduate education and supervision. Exceptional applicants will be considered at the rank of a distinguished or full professor. Applicants should possess a PhD or equivalent career in a related area, and be capable of giving lectures in English. Competitive salaries and seed funding will be provided for newly-hired faculty members.

About KENTECH:

Founded in 2021 under the KENTECH Act approved by National Assembly, KENTECH receives ongoing support from the Korean government, Jeollanam-do Province, Naju City and the Korea Electric Power Corporation (KEPCO), a utility company listed in NYSE and ranked #192 in Global Fortune 500 with 54.4BS revenue in 2019. KENTECH aspires to become a hub and open innovation platform for global energy research and start-ups by promoting international collaboration in research and education. Toward this end, it strives to become a small yet strong university with 1,300 students (400 undergraduate and 600 graduate students, with an additional 300 students from abroad) and 100 professors. Focusing on energy research and education, technology ecosystem buildup including technology transfer and start-ups, etc. KENTECH plans to attract large-scale national research facilities and to create a 400,000 sq.m industry-academic cluster to foster the close collaboration among domestic and international research institutions and industries. KENTECH is promoting flagship research projects in five specialized fields and is establishing joint research institutes with leading global universities and research institutes.

For further information about Energy AI track of KENTECH, please visit the following webpage.

Energy Artificial Intelligence
https://www.kentech.ac.kr/eng/512/subview.do

If you have any further questions about recruitment, please contact:

Mr. H. Shin (Faculty Recruitment Manager)
hwshin@kentech.ac.kr (+82613309642)
or email directly to the director of research track.

Lehigh University
Open Rank in Computer Science and Engineering

The Department of Computer Science and Engineering (CSE) in the P. C. Rossin College of Engineering and Applied Science at Lehigh University invites applications for tenure-track faculty at the ranks of assistant professor, associate professor, or full professor. Tenure on appointment is possible for senior candidates. Outstanding candidates in all areas of computer science will be considered. Applicants must hold a Ph.D. in Computer Science or a closely related field prior to the official start of employment.

Founded in 1865, Lehigh University has combined outstanding academic and learning opportunities with leadership in fostering innovative research. Recognized among the nation’s highly ranked research universities, Lehigh offers a rigorous academic community for over 7,000 students and about 550 fulltime faculty members. Lehigh University is located in Bethlehem, PA, a vibrant and historic area.

For full consideration, application materials should be received by December 15, 2021. Candidates applying for a senior position must submit application materials online at https://academicjobsonline.org/ajo/jobs/20238. Candidates applying for the junior position without tenure must submit application materials at https://academicjobsonline.org/ajo/jobs/20237. Applications should include a cover letter, curriculum vitae, teaching
Professional Opportunities

statement, research statement, diversity statement, and contact information for at least three references. Questions concerning this search may be sent to faculty-search@cse.lehigh.edu.

Lehigh University is an equal opportunity, affirmative action, and non-discrimination employer that provides competitive salaries and comprehensive benefits and has a well-developed infrastructure to address dual career and work-life balance matters. As demonstrated by our Core Values and the Principles of Our Equitable Community, Lehigh University is committed to the values of Integrity and Honesty, Equitable Community, Academic Freedom, Intellectual Curiosity, Collaboration, Commitment to Excellence, and Leadership.

Louisiana State University

School of Electrical Engineering and Computer Science

Assistant Professor - (Tenure-Track)

The Division of Computer Science and Engineering within the School of Electrical Engineering and Computer Science at Louisiana State University (LSU) - Baton Rouge invites applications for a tenure-track faculty position at the rank of assistant professor, beginning August 2022. Our focus area is applied cybersecurity. An ideal candidate will have research and teaching interests in one or more of the following areas: software reverse engineering, malware analysis, memory forensics, digital forensics, cyber operations, and exploit development. Exceptionally qualified candidates at the rank of associate and full professor will also be considered.

The School of Electrical Engineering and Computer Science is comprised of the Computer Science and Engineering (CSE) Division and the Electrical and Computer Engineering (ECE) Division. The CSE division (www.cse.lsu.edu) has a strong record in research and graduate training (MS and PhD degrees), with ongoing federal, state and industry-funded research projects in many key areas of computer science. The CSE division offers a concentration on cybersecurity for undergraduates, has funding from the National Science Foundation for the Scholarships for Service (SFS) program, and is currently undergoing review for designation as an NSA-designated Center of Academic Excellence in Cyber Operations (CAE-CO). We are also building a cyber range under the new FIREStarter program, in collaboration with the Louisiana State Police, to expose students to large scale defensive and offensive cyber operations. Excellent opportunities exist for collaboration with the ECE division and other departments in the College of Engineering, and the Center for Computation and Technology. LSU-HPC provides state-of-the-art supercomputing and storage facilities enabling research collaborations across diverse fields.

Responsibilities:

Teach graduate and undergraduate courses in cybersecurity; establish a vigorous, extramurally funded research program; publish in highly ranked journals or conference proceedings; supervise graduate students; and serve on committees to support the department’s and LSU’s educational and research missions. The position will be 50% teaching and 50% research. LSU has a large number of highly motivated cybersecurity students and in selecting applicants for this position, strong emphasis will be placed on a candidate’s ability to teach effectively in a program that emphasizes hands-on cybersecurity.

Minimum Qualifications:

Ph.D. in Computer Science or relevant discipline and must have a record of published research and the ability to attract funding. A strong emphasis will be placed on a candidate’s ability to teach effectively in a program that emphasizes hands-on cybersecurity.

Applicants who are all but dissertation (A.B.D.) and will complete their Ph. D. by the time of the appointment will be considered. Women and minorities are strongly encouraged to apply.

Special Instructions:

Please include the following documents and information to your online application: email and mailing address, curriculum vitae, teaching philosophy statement, research plan statement and three professional references.

A copy of your transcript(s) may be attached to your application (if available). However, original transcripts are required prior to hire.
Campus interviews will be conducted in Baton Rouge, LA, prior to an offer being extended. Any offer of employment is contingent on a satisfactory pre-employment background check. Applications will be reviewed beginning on December 14, 2021, and the review will continue until the position is filled. We strongly encourage early applications. Inquiries should be directed to the Faculty Search Committee via email at csesearch@lsu.edu.

An offer of employment is contingent on a satisfactory pre-employment background check.

**Special Instructions:**
Teach graduate and undergraduate courses in cybersecurity: establish a vigorous, extramurally funded research program; publish in highly ranked journals or conference proceedings; supervise graduate students; and serve on committees to support the departments and LSU’s educational and research missions. The position will be 50% teaching and 50% research. LSU has a large number of highly motivated cybersecurity students and in selecting applicants for this position, strong emphasis will be placed on a candidate’s ability to teach effectively in a program that emphasizes hands-on cybersecurity.

**Additional Position Information:**
Background Check - An offer of employment is contingent on a satisfactory pre-employment background check.

Benefits - LSU offers outstanding benefits to eligible employees and their dependents including health, life, dental, and vision insurance; flexible spending accounts; retirement options; various leave options; paid holidays; wellness benefits; tuition exemption for qualified positions; training and development opportunities; employee discounts; and more!

**LSU is an Equal Opportunity Employer:**
LSU believes diversity, equity, and inclusion enrich the educational experience of our students, faculty, and staff, and are necessary to prepare all people to thrive personally and professionally in a global society. We celebrate diversity and are committed to the principles of diversity and inclusion. We actively seek and encourage qualified applications from persons with diverse backgrounds, cultures and experiences. To learn more about how LSU is committed to diversity and inclusivity, please see LSU’s Diversity Statement and Roadmap. Persons needing accommodations or assistance with the accessibility of materials related to this search are encouraged to contact the Office of Human Resource Management (hr@lsu.edu).

**COVID-19 Vaccine Protocol:**
LSU requires the COVID-19 vaccine for all students, faculty, and staff or mandatory monthly testing. New employees must either submit proof of vaccination within three (3) days of their official start date, otherwise they will be entered into the mandatory monthly testing protocol beginning in November 2021.

**HCM Contact Information:**
Questions or concerns can be directed to the LSU Human Resources Management Office at 225-578-8200 or emailed HR@lsu.edu.

**Luther College**

**Assistant Professor of Computer Science/ Data Science (tenure-track)**

Luther College seeks a tenure-track Assistant Professor in Computer Science/ Data Science beginning August 2022, to be part of a thriving department that offers computer science and data science majors. PhD in computer science, data science, or closely related discipline required (ABD considered). Seeking dedicated teacher committed to engaging and fostering a diverse student community in a liberal arts setting, who can teach range of computer science courses, and can take lead role in data science program teaching all levels of data science courses. Formal training in data science/computer science beneficial.

Review of applications begins December 1, 2021 and continues until the position is filled.

See full position details and apply at https://luthercollege.hiretouch.com/faculty-jobs.
**Marian University**

*Assistant Professor of Computer Science*

The Department of Mathematics at Marian University in Indianapolis, IN seeks a dynamic and innovative leader for the position of Assistant Professor of Computer Science. A Ph.D. in Computer Science is preferred. A terminal degree in a closely related field, or a Master’s degree with significant industry experience, will be considered. Review of applications will begin December 1, 2021, and continue until the position is filled.

Please apply online at [https://marian.peopleadmin.com/postings/634](https://marian.peopleadmin.com/postings/634)

Marian University is committed to diversity and encourages persons from diverse backgrounds to apply for this position. Marian University is an Equal Opportunity Employer.

---

**Max Planck Institutes in Computer Science**

*Tenure-track Openings*

The Max Planck Institutes for Informatics (Saarbruecken), Software Systems (Saarbruecken and Kaiserslautern), and Security and Privacy (Bochum), invite applications for tenure-track faculty in all areas of computer science. We expect to fill several positions.

A doctoral degree in computer science or related areas and an outstanding research record are required. Successful candidates are expected to build a team and pursue a highly visible research agenda, both independently and in collaboration with other groups.

The institutes are part of a network of over 80 Max Planck Institutes, Germany’s premier basic-research organisations. MPIs have an established record of world-class, foundational research in the sciences, technology, and the humanities. The institutes offer a unique environment that combines the best aspects of a university department and a research laboratory: Faculty enjoy full academic freedom, lead a team of doctoral students and post-docs, and have the opportunity to teach university courses; at the same time, they enjoy ongoing institutional funding in addition to third-party funds, a technical infrastructure unrivalled for an academic institution, as well as internationally competitive compensation.

We maintain an international and diverse work environment and seek applications from outstanding researchers worldwide. The working language is English; knowledge of the German language is not required for a successful career at the institutes.

Qualified candidates should apply on our application website: [https://www.cis.mpg.de/tenure-track-openings-at-max-plantc-institutes-in-computer-science/](https://www.cis.mpg.de/tenure-track-openings-at-max-plantc-institutes-in-computer-science/)

Review of applications will begin by December 1st, 2021.

The Max Planck Society wishes to increase the number of women in those areas where they are underrepresented. Women are therefore explicitly encouraged to apply. The Max Planck Society is also committed to increasing the number of employees with severe disabilities in its workforce. Applications from persons with severe disabilities are expressly desired.

The initial tenure-track appointment is for five years; it can be extended to seven years based on a positive midterm evaluation in the fourth year. A permanent contract can be awarded upon a successful tenure evaluation in the sixth year.

---

**McMaster University**

*Tenure-Track Faculty Positions*

Department of Computing and Software

McMaster University is located on the traditional territories of the Haudenosaunee and Mississauga Nations and, within the lands protected by the Dish with One Spoon wampum agreement.

**Position Description**

McMaster University’s Faculty of Engineering invites applications for five tenure-track positions at the rank of Assistant Professor in the Department of Computing and Software; however, exceptional candidates may be considered at the rank of Associate Professor. The positions will be located on the main university campus to begin on July 1, 2022, or shortly thereafter.

While applicants in all areas of Computer Science and Software Engineering are encouraged to apply, the Department plans to hire some applicants specifically in the area of Theoretical Computer Science. Applicants specializing in subareas such as algorithms, data...
structures, computational complexity, parallel and distributed computation, probabilistic computation, quantum computation, automata theory, combinatorial algorithms, cryptography, program semantics and verification, computational geometry, and computational number theory and algebra, would help address identified needs within the Department.

The successful applicant must have or be very near completion of a PhD in Computer Science, Software Engineering, or a related discipline, by the time of the appointment. The applicant must also demonstrate a record of excellence in teaching and research and a willingness and ability to contribute to the department’s collegial and collaborative intellectual community as well as university-wide inclusive excellence goals and priorities. Research excellence will be reflected in successful mentoring of graduate students and particularly doctoral students, extramural grant acquisition and publication in high quality peer-reviewed journals and conferences. The successful applicant will teach both undergraduate and graduate level courses. They will also be expected to foster existing collaborations and initiate news ones within their department and with other departments and faculties.

The Department of Computing and Software is one of the top departments for Computer Science and Software Engineering in Canada. We have 27 faculty members with expertise in computer systems, software engineering, theoretical computer science, security, privacy, machine learning, data analytics, scientific computing, and bioinformatics. The department mentors over 1400 undergraduate students in three programs: computer science, software engineering, and mechatronics engineering. It also mentors more than 120 graduate students in masters and doctoral programs in computer science and software engineering.

McMaster Engineering has a reputation for innovative programs, cutting-edge research, leading faculty, and aspiring students. With over 180 faculty members who mentor approximately 6,000 undergraduate and over 1,000 graduate students, about half of whom are doctoral students, we have earned a strong reputation as a centre for academic excellence and high impact research and innovation. Discover more of what McMaster Engineering and the Hamilton area have to offer academic professionals and their families by reviewing our Information Guide highlighting our research excellence, family-friendly resources and rich local culture.

Opportunities for continuous personal and professional growth are also made available through our Faculty’s Fireball Academy and the MacPherson Institute.

Commitment to Inclusive Excellence

The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration and diversity, and has a strong commitment to employment equity.

The University seeks qualified candidates who share our commitment to equity and inclusion, who will contribute to the diversification of ideas and perspectives, and especially welcomes applications from First Nations, Métis and Inuit peoples, members of racialized communities (‘visible minorities’), persons with disabilities, women, and persons who identify as 2SLGBTQ+.

We invite all applicants to complete a brief Diversity Survey as part of the application process. It takes approximately two minutes to complete. All questions are voluntary, with an option to decline to answer. All information collected is confidential and will be used to support efforts to broaden the diversity of the applicant pool and to promote a fair, equitable and inclusive talent acquisition process. Inquiries about the Diversity Survey may be directed to hr.empequity@mcmaster.ca.

Job applicants requiring accommodation to participate in the hiring process should contact the Office of the Dean of Engineering at 905-525-9140 ext. 24900 to communicate accommodation needs.

How to Apply:

Please submit the following materials through the University’s electronic portal: https://careers.mcmaster.ca/psp/preprd/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_APP_SCHJOB.GBL?Page=HRS_APP_JBPST&Action=U&FOCUS=Applicant&SiteId=1000&JobOpeningld=41830&PostingSeq=1
[Job Opening # 41830]:

Chair
Department of Computing and Software
1280 Main Street West
McMaster University,
Hamilton, ON Canada L8S 4L7

• a letter of application together with a curriculum vitae describing the impact that career interruptions have had on research productivity, if applicable, research statement including a selection of research publications, and a statement on teaching interests and philosophy (including evidence of teaching effectiveness);

• a brief statement describing the contributions you have made or plan to make to inclusive excellence in teaching, research, or service in academic, professional or community contexts (2-page maximum);

• the names of at least three referees; letters of reference are not required and will not be reviewed at the application stage; the Department will request letters of recommendation from referees at later stages of the search process.

Complete applications that are received by January 30, 2022 will receive full consideration. Review of applications will continue until the positions are filled. The effective date of appointment is negotiable, but July 1, 2022 is preferred. All applicants will receive an online confirmation of receipt of their application; however, only short-listed applicants will be contacted for interviews.

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. To comply with the Government of Canada’s reporting requirements, the University gathers information about applicants’ status as either a permanent resident of Canada or Canadian citizens. Applicants need not identify their country of origin or current citizenship; however, all applications must include one of the following statements:

Yes, I am a citizen or permanent resident of Canada

No, I am not a citizen or permanent resident of Canada

Direct any inquiries about this position to chaircas@mcmaster.ca.

McMaster University
Tenure-Track Faculty Positions

Department of Computing and Software

McMaster University is located on the traditional territories of the Haudenosaunee and Mississauga Nations and, within the lands protected by the Dish with One Spoon wampum agreement.

Position Description

McMaster University’s Faculty of Engineering invites applications for five tenure-track positions at the rank of Assistant Professor in the Department of Computing and Software; however, exceptional candidates may be considered at the rank of Associate Professor. The positions will be located on the main university campus to begin on July 1, 2022, or shortly thereafter.

Applicants in all areas of Computer Science and Software Engineering are encouraged to apply. The Department has identified specific needs in Natural Language Processing, human-computer interaction (HCI), security, robotics, and mechatronics.

The successful applicant must have or be very near completion of a PhD in Computer Science, Software Engineering, or a related discipline, by the time of the appointment. The applicant must also demonstrate a record of excellence in teaching and research and a willingness and ability to contribute to the department’s collegial and collaborative intellectual community as well as university-wide inclusive excellence goals and priorities. Research excellence will be reflected in successful mentoring of graduate students and particularly doctoral students, extramural grant acquisition and publication in high quality peer-reviewed journals and conferences.

The successful applicant will teach both undergraduate and graduate level courses. They will also be expected to foster existing collaborations and initiate new ones within the Department and with other departments and faculties.

The Department of Computing and Software is one of the top departments for Computer Science and Software Engineering in Canada. We have 27 faculty members with expertise in computer systems, software engineering, theoretical computer science, security.
privacy, machine learning, data analytics, scientific computing, and bioinformatics. The department mentors over 1400 undergraduate students in three programs: computer science, software engineering, and mechatronics engineering. It also mentors more than 120 graduate students in masters and doctoral programs in computer science and software engineering.

McMaster Engineering has a reputation for innovative programs, cutting-edge research, leading faculty, and aspiring students. With over 180 faculty members who mentor approximately 6,000 undergraduate and over 1,000 graduate students, about half of whom are doctoral students, we have earned a strong reputation as a centre for academic excellence and high impact research and innovation. Discover more of what McMaster Engineering and the Hamilton area have to offer academic professionals and their families by reviewing our Information Guide highlighting our research excellence, family-friendly resources and rich local culture.

Commitment to Inclusive Excellence

The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration and diversity, and has a strong commitment to employment equity. The University seeks qualified candidates who share our commitment to equity and inclusion, who will contribute to the diversification of ideas and perspectives, and especially welcomes applications from First Nations, Métis and Inuit peoples, members of racialized communities ("visible minorities"), persons with disabilities, women, and persons who identify as 2SLGBTQ+.

We invite all applicants to complete a brief Diversity Survey as part of the application process. It takes approximately two minutes to complete. All questions are voluntary, with an option to decline to answer. All information collected is confidential and will be used to support efforts to broaden the diversity of the applicant pool and to promote a fair, equitable and inclusive talent acquisition process. Inquiries about the Diversity Survey may be directed to hrrempequity@mcmaster.ca.

Job applicants requiring accommodation to participate in the hiring process should contact the Office of the Dean of Engineering at 905-525-9140 ext. 24900 to communicate accommodation needs.

How to Apply:

Please submit the following materials through the University’s electronic portal: https://careers.mcmaster.ca/psp/prepprd/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_APP_SCHJOB.GBL?Page =HRS_APPJBPST&Action=U&FOCUS=Applicant&SiteId=1000&JobOpening Id=41830&PostingSeq=1

[Job Opening # 41830]:
Chair
Department of Computing and Software
1280 Main Street West
McMaster University,
Hamilton, ON Canada L8S 4L7

- a letter of application together with a curriculum vitae describing the impact that career interruptions have had on research productivity, if applicable, research statement including a selection of research publications, and a statement on teaching interests and philosophy (including evidence of teaching effectiveness);

- a brief statement describing the contributions you have made or plan to make to inclusive excellence in teaching, research, or service in academic, professional or community contexts (2-page maximum);

- the names of at least three referees; letters of reference are not required and will not be reviewed at the application stage; the Department will request letters of recommendation from referees at later stages of the search process.

Complete applications that are received by January 30, 2022 will receive full consideration. Review of applications will continue until the positions are filled. The effective date of appointment is negotiable, but July 1, 2022 is preferred. All applicants will receive an online confirmation of receipt of their application; however, only short-listed applicants will be contacted for interviews.
All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. To comply with the Government of Canada’s reporting requirements, the University gathers information about applicants’ status as either a permanent resident of Canada or Canadian citizens. Applicants need not identify their country of origin or current citizenship; however, all applications must include one of the following statements:

Yes, I am a citizen or permanent resident of Canada

No, I am not a citizen or permanent resident of Canada

Direct any inquiries about this position to chaircas@mcmaster.ca.

**Michigan State University**

**Computer Science and Engineering**

**Faculty position in all areas of Computer Science**

The Department of Computer Science and Engineering (CSE) at Michigan State University (MSU) is in a phase of significant and sustained growth and expansion. We are pleased to invite applications for a tenure-system faculty position as an Assistant or Associate Professor in any area of Computer Science, including those that intersect with other fields with an anticipated start date of August 16, 2022. Candidates must have appropriate academic background and doctoral degree at the time of appointment.

The Department is looking for highly motivated applicants who can complement the Department’s strength and expertise. Tenure-system computer science faculty are expected to establish a vibrant, sustainable and internationally visible research program; make significant scholarly contributions to their discipline; be an effective teacher and mentor of both undergraduate and graduate students; engage in institutional and professional service as well as public outreach; and contribute toward the university’s DEI mission.

The Department has strong research programs in many areas of Computer Science and Engineering. The Department has accredited B.S. degree programs in Computer Science and Computer Engineering. The Department also offers a B.S. degree in Computational Data Science. There are currently over 200 graduate students and 1,700 undergraduate students in the Department. Department faculty are actively involved in leading several national-level centers, including BEACON, an NSF Center for the study of evolution in action that is headquartered at MSU and CITeR, an NSF-IUCRC enterprise focusing on Biometrics and Identity Science. MSU’s annual research expenditure is around $725M. University researchers and scholars are internationally renowned and are facilitating broad social, economic and technological impact.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 470,000. Local communities have excellent school systems and place a high value on education. Michigan State University is proactive in exploring opportunities for employment for dual career partners, both inside and outside the University. Information about MSU’s dual career support can be found at [http://miwin.msu.edu/](http://miwin.msu.edu/). Information about WorkLife at MSU can be found at [https://worklife.msu.edu/](https://worklife.msu.edu/).

Interested individuals should submit their application through [http://careers.msu.edu](http://careers.msu.edu) and refer to posting #742052. Applicants must submit 1) a detailed resume, 2) a cover letter summarizing their qualifications and highlighting up to five prominent scholarly works, 3) vision statement describing their teaching philosophy, including mentoring and outreach, 4) vision statement describing their planned research program, 5) vision statement describing their plans to promote a diverse, equitable, and inclusive environment, and 6) the names and contact information of at least three professional references. Items 3, 4, and 5 should be limited to one page each.

For full consideration, applications should be received before November 30, 2021. Applications will be reviewed on a continuing basis thereafter until the position is filled. The search committee reserves the right to begin the evaluation process before November 30, 2021. Therefore, interested individuals are encouraged to submit their application packets as soon as possible.
Nominations or questions are welcome by contacting the search committee chair at faculty-search-chair@cse.msu.edu.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship, disability or protected veteran status.

The university is requiring all MSU students, faculty and staff to be vaccinated against COVID-19 with limited exceptions. Learn more at https://msu.edu/together-we-will/. Michigan State University has been advancing the common good with uncommon will for more than 160 years. One of the top research universities in the world, MSU pushes the boundaries of discovery and forges enduring partnerships to solve the most pressing global challenges while providing life-changing opportunities to a diverse and inclusive academic community through more than 200 programs of study in 17 degree-granting colleges.

Pressing global challenges while providing life-changing opportunities to a diverse and inclusive academic community through more than 200 programs of study in 17 degree-granting colleges.

Michigan State University

Computer Science and Engineering

Faculty position in the area of Pattern Recognition and Biometrics

The Department of Computer Science and Engineering (CSE) at Michigan State University (MSU) is in a phase of significant and sustained growth and expansion. We are pleased to invite applications for a tenure-system faculty position as an Assistant or Associate Professor in the area of Pattern Recognition and Biometrics with an anticipated start date of August 16, 2022. Candidates must have appropriate academic background and doctoral degree at the time of appointment.

The Department is looking for highly motivated applicants who can complement the Department’s strength and expertise. Tenure-system computer science faculty are expected to establish a vibrant, sustainable and internationally visible research program; make significant scholarly contributions to their discipline; be an effective teacher and mentor of both undergraduate and graduate students; engage in institutional and professional service as well as public outreach; and contribute toward the university’s DEI mission.

The Department has strong research programs in many areas of Computer Science and Engineering. The Department has accredited B.S. degree programs in Computer Science and Computer Engineering. The Department also offers a B.S. degree in Computational Data Science. There are currently over 200 graduate students and 1,700 undergraduate students in the Department. Department faculty are actively involved in leading several national-level centers, including BEACON, an NSF Center for the study of evolution in action that is headquartered at MSU and CITeR, an NSF-IUCRC enterprise focusing on Biometrics and Identity Science. MSU’s annual research expenditure is around $725M. University researchers and scholars are internationally renowned and are facilitating broad social, economic and technological impact.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 470,000. Local communities have excellent school systems and place a high value on education. Michigan State University is proactive in exploring opportunities for employment for dual career partners, both inside and outside the University. Information about MSU’s dual career support can be found at http://miwin.msu.edu/. Information about WorkLife at MSU can be found at https://worklife.msu.edu/. Interested individuals should submit their application through http://careers.msu.edu and refer to posting #742051. Applicants must submit 1) a detailed resume, 2) a cover letter summarizing their qualifications and highlighting up to five prominent scholarly works, 3) vision statement describing their teaching philosophy, including mentoring and outreach, 4) vision statement describing their planned research program, 5) vision statement describing their plans to promote a diverse, equitable, and inclusive environment, and 6) the names and contact information of at least three professional references. Items 3, 4, and 5 should be limited to one page each.

For full consideration, applications should be received before November 30,
Professional Opportunities

Michigan Technological University

Lecturer, Senior Lecturer, Principal Lecturer or Professor of Practice

Michigan Technological University Department of Computer Science invites applications for a non-tenure track faculty position beginning August 2022. Candidates are expected to demonstrate potential for excellence in teaching across the CS curriculum. Specific areas of need include introductory programming and software engineering. A typical load is three courses per semester, along with service responsibilities.

The Department has 24 regular faculty members, 550 undergraduate students in two degree programs and 75 graduate students in four graduate programs.

Michigan Tech is an internationally renowned doctoral research university with approximately 7000 students and 400 faculty located in Houghton, Michigan, in the scenic Upper Peninsula on the south shore of Lake Superior. The area provides a unique setting where natural beauty, culture, education, and a diversity of residents from around the world come together to share superb living and learning experiences. Michigan Tech is nationally ranked among the best universities for job placement, return on investment, and safety.

Michigan Tech attracts world-class faculty who enrich the educational experience of smart, motivated, and adventurous students. Applicants who are committed to promoting a sense of belonging and contributing to an equitable and inclusive learning environment for all are strongly encouraged to apply (https://www.mtu.edu/diversity-inclusion/).

Review of applications will begin immediately and continue until the position is filled. Submit applications online at https://www.employment.mtu.edu/cw/en-us/job/492764. To learn more, visit https://www.mtu.edu/cs/ or contact the Department Chair, Dr. Linda Ott, at linda@mtu.edu.

Applications received by January 10, 2022 will receive full consideration.

Michigan Tech recognizes the importance of supporting faculty members’ partners; candidates selected for on-campus interviews will be invited to bring a guest. Additional details on our Partner Engagement Program can be found at https://www.mtu.edu/provost/programs/partner-engagement/.

Michigan Tech is proud to be an ADVANCE Institution that has thric received National Science Foundation support to increase diversity, inclusion, and the participation and advancement of women and underrepresented individuals in STEM. (see https://www.mtu.edu/advance/).

Michigan Tech is an EOE that provides equal opportunity for all, including protected veterans and individuals with disabilities.
Michigan Technological University

Chair of the Department of Computer Science

The Department of Computer Science at Michigan Technological University invites applications for the position of Chair of the Department of Computer Science. We seek an enthusiastic and visionary leader to help us accelerate growth in the areas of: (1) undergraduate and graduate enrollments, (2) externally funded research, and (3) industry engagement. We are building a culturally diverse faculty committed to teaching and scholarship in a multicultural and inclusive environment, and we seek a department chair who shares these values.

The CS Department has 24 regular faculty members, 554 undergraduate students in two BS programs (Computer Science and Software Engineering) and 76 graduate students in four programs (MS in Computer Science, MS in Cybersecurity, MS in Data Science, and PhD in Computer Science.) The department collaborates with the Department of Applied Computing on a BS in Cybersecurity and teaches a substantial portion of the courses required in other programs, particularly the BS in Computer Engineering and the BS in Mathematics and Computer Science. Current areas of growth include artificial intelligence/machine learning, cybersecurity, and software engineering.

Michigan Tech is an internationally renowned doctoral research university with approximately 7000 students and 400 faculty located in Houghton, Michigan, in the scenic Upper Peninsula on the south shore of Lake Superior. We are nationally ranked among the best universities for job placement, return on investment, and safety.

Michigan Tech strongly encourages applications from all qualified individuals. We are an ADVANCE institution having received National Science Foundation funds three times in support of efforts to increase diversity, inclusion, and the participation and advancement of women and underrepresented individuals in STEM. Please see http://mtu.edu/diversity-inclusion to read more about Michigan Tech’s commitment to diversity, inclusion, and sense of belonging, and our strategic planning framework. We actively support dual-career partners to retain a quality workforce. We offer career exploration advice and assistance finding positions at the University and in the local community. Please visit https://www.mtu.edu/provost/programs/partner-engagement for more information.

Applications should be submitted online at http://www.employment.mtu.edu/cw/en-us/job/492692. To learn more about this opportunity, please visit https://www.mtu.edu/computing/about/employment/ or contact the search committee chair, Daniel R. Fuhrmann, fuhrmann@mtu.edu. Applications received by December 31, 2021 will receive full consideration.

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer that provides equal opportunity for all, including protected veterans and individuals with disabilities.

Michigan Technological University

College of Computing Faculty

Michigan Technological University, College of Computing invites applications for faculty at the assistant, associate or professor rank. We are open to all research areas in computer science and computing-related disciplines, with a particular interest in cybersecurity, artificial intelligence/machine learning, and software engineering. Successful candidates will demonstrate a passion for their research, an enthusiasm for undergraduate and graduate education, and a strong commitment to cultivating diverse and inclusive learning environments. The anticipated start date is August, 2022.

Michigan Tech attracts world-class faculty who enrich the educational experience of smart, motivated, and adventurous students. Applicants who are committed to promoting a sense of belonging and contributing to an equitable and inclusive learning environment for all are strongly encouraged to apply (see https://www.mtu.edu/diversity-inclusion/ for more information on Michigan Tech’s commitment to diversity and inclusion, and our strategic planning framework).

Michigan Tech is proud to be an ADVANCE Institution that has thrice received National Science Foundation support to increase diversity, inclusion, and the participation and advancement of women and underrepresented individuals in STEM.

Michigan Tech recognizes the importance of supporting faculty members’ partners;
candidates selected for on-campus interviews will be invited to bring a guest. Additional details on our Partner Engagement Program can be found at https://www.mtu.edu/provost/programs/partner-engagement/

An applicant must have earned a PhD degree in Computer Science, Computer Engineering, Informatics, or closely related discipline. Michigan Tech places a strong emphasis on balancing cutting-edge research with effective teaching. Candidates for these positions are expected to demonstrate potential for excellence in independent research, excellence in teaching, the ability to contribute service to their department and profession, and a commitment to teaching and scholarship in a multicultural and inclusive environment. Salary is negotiable depending upon qualifications.

Review of applications will begin immediately and continue until the position is filled. Applications should be submitted online at http://jobs.mtu.edu/postings/492694. For more information, please visit https://www.mtu.edu/computing/employment/ or contact the search committee chair, Dr. Laura Brown, lebrown@mtu.edu.

For full consideration, complete application packages should be received by Dec. 15, 2021.

Application materials include a cover letter summarizing your expertise and preferred rank, curriculum vitae, research statement, 2-page teaching statement, and 1-page diversity and inclusion statement.

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer that provides equal opportunity for all, including protected veterans and individuals with disabilities.

Microsoft Research

AI Research Associate

Research associate position on cutting-edge research teaching deep neural networks to code. Candidates must have extensive experience with Neural Networks and Python.

Further details at https://aka.ms/teach-AI-to-code

Microsoft Research

Post Doc Researcher – Machine Learning

The Machine Learning Foundations Group in Microsoft Research Redmond seeks exceptional researchers who are passionate about developing the next generation of principled machine learning and optimization algorithms. Applicants must have a demonstrated ability for independent research and a strong academic publication record in machine learning or optimization.

Responsibilities

As a researcher in Microsoft Research you will develop your research career as a member of a world-class research organization. You will set your own research agenda and collaborate with other researchers and engineers, with the goal of achieving breakthroughs in the field. You will also have the opportunity to see your ideas come to life in products and services that are used worldwide.

We offer a vibrant environment for cutting-edge, multidisciplinary research, both theoretical and applied, including access to diverse data sources, an open publication policy, and close links to top academic institutions around the world.

Qualifications

Application Deadline - By December 15th, 2021 for full consideration.

NOTE the following: This role is not to exceed two years.

Required Qualifications

• PhD (completed or close to completion) in machine learning, AI or closely related areas.
• Well-established research track record of publications, open source software, or other scientific leadership activities.

Preferred Qualifications

• Ability to define your own research agenda.
• Demonstrated ability to collaborate, communicate effectively, and work as part of a team.

Please submit a CV and the names of at least three references as required by the online application.

In your application, you should also please provide:

• The two conference or journal articles, book chapters, or equivalent writing samples which best demonstrate your expertise.
• An academic statement (approximately 2-4 pages) that outlines both your research achievements and agenda, and your service and outreach activities and plans (for example, those related to mentoring or diversity)
Microsoft is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to age, ancestry, color, family or medical care leave, gender identity or expression, genetic information, marital status, medical condition, national origin, physical or mental disability, political affiliation, protected veteran status, race, religion, sex (including pregnancy), sexual orientation, or any other characteristic protected by applicable laws, regulations and ordinances. We also consider qualified applicants regardless of criminal histories, consistent with legal requirements. If you need assistance and/or a reasonable accommodation due to a disability during the application or the recruiting process, please send a request via the Accommodation request form: https://careers.microsoft.com/us/en/accommodationrequest

For more information and to apply:

Missouri University of Science and Technology

Department of Computer Science

Chair-Kummer Endowed

The Computer Science Department at Missouri University of Science and Technology, Rolla, seeks an outstanding and visionary leader for the position of the Kummer Endowed Department Chair of Computer Science.

For details on the position, please visit: https://hr.mst.edu/careers/academic-employment/

For full consideration, applicants must apply by January 15, 2022.

Mount Holyoke College

Lecturer in Computer Science

The Mount Holyoke College Computer Science Department seeks a Lecturer to begin Fall 2022. This teaching-focused renewable position is on a non-tenure track path that culminates in the rank of Senior Lecturer. The teaching load is 5 courses per year, which may be divided between courses and lab sections. We are searching broadly for candidates with a strong commitment to excellence in teaching computer science and a passion for engaging a diverse population of undergraduate students. Completion of an advanced degree in Computer Science or a related field is expected prior to or shortly after the date of hire; strong candidates with a Master’s degree will be considered.


NEC Laboratories America, Inc.

Researcher - Data Science

The Data Science team aims to build novel big data solutions and service platforms that simplify complex systems management, and to develop new information technology that supports innovative applications, from big data analytics to the Internet of Things. Our research is both experimental and theoretical, covering many domains in data science and artificial intelligence such as time series analysis, graph mining, NLP and document understanding, and so on. The goal of our research is to fully understand the dynamics of big data from complex systems and build innovative solutions to help end user managing those systems. We have built a number of analytic engines and system solutions to process and analyze big data and support various applications in detection, prediction and optimization. Our research leads to both award-winning NEC products and publications in top conferences.

Our group is looking for researchers to work in the areas of artificial intelligence, machine learning or data mining. The ideal candidates must have expertise in one of the above areas and ability to develop algorithms to analyze massive data and build innovative applications.

Requirements:

PhD in CS/CE with a strong publication record in at least one of the following areas:

- Artificial Intelligence, machine learning, and deep neural networks
- Time series analysis and prediction
- Text mining, natural language processing and information retrieval
- Graph and information network mining
- Large scale optimization and learning
- Signal processing, image processing and computer vision
NEC Labs is located in Princeton, NJ, home of Princeton University and one of New Jersey’s most beautiful and idyllic towns. The area offers many exciting cultural, entertainment and outdoor activities. The office is minutes away from Princeton University and an hour from New York, Philadelphia, and the Atlantic Ocean.


Equal Opportunity Employer

**NEC Laboratories America, Inc.**

**Researcher - System Security**

The Data Science and System Security Department has been developing novel big data solutions and service platforms that simplify the management of complex systems and optimize business operations. We aim for the next generation data-driven technologies that support more innovative applications including those in 5G, cybersecurity, autonomous driving, and so on. Our research has resulted in both award-winning NEC products and publications in top conferences.

To advance AI-driven system and security research, the team is looking for researchers with outstanding background in system, networking, and cybersecurity. The ideal candidate should be able to:

- Identify and investigate emerging research topics and challenges in system and networking
- Research and transform artificial intelligence techniques to advance the state of the art in system security
- Demonstrate research outcomes by developing prototypes and producing patents and/or publications
- Collaborate across teams and business units to develop synergy between our research and NEC business

**Requirements:**

Candidates should have a PhD in Computer Science with a strong publication record in systems, networking and security. They should have a fundamental understanding of machine learning and big data analytics, and have experiences in at least one of the following areas:

- Interdisciplinary research spanning system, security and machine learning
- Cloud/network/5G security
- AI applications in security and trust computing
- Intrusion/anomaly detection via system data, e.g., logs and system-call traces
- System vulnerability/attack analysis
- Designing, architecting and building secure systems
- Processing large databases and high-volume streaming data

NEC Labs is located in Princeton, NJ, home of Princeton University and one of New Jersey’s most beautiful and idyllic towns. The area offers many exciting cultural, entertainment and outdoor activities. The office is minutes away from Princeton University and an hour from New York, Philadelphia, and the Atlantic Ocean.


Equal Opportunity Employer

**New Jersey Institute of Technology**

**Assistant/Associate Professor in Data Science**

The Department of Data Science at New Jersey Institute of Technology (NJIT) invites applications for tenure-track faculty positions starting in Fall 2022. Areas of special interest are Big Data, Biomedical Informatics, Data Visualization, High-Performance Data Analytics, and Machine Learning. Exceptional candidates in other areas will also be considered.

While we are interested in hiring at the rank of Assistant Professor, exceptional candidates at higher ranks will also be considered. Senior candidates will be expected to play a leadership role as the Associate Director of the new NJIT Institute for Data Science, whose Director is Distinguished Professor David Bader.

Applicants must have a Ph.D. degree by Summer 2022 in a relevant discipline, and outstanding academic credentials.
that demonstrate their ability to conduct independent world-class research and attract external funding. The successful candidate is also expected to show a commitment to both undergraduate and graduate education.

NJIT is designated a Carnegie R1 Research University, with $155M research expenditures in FY20. The Department of Data Science is a new department launched in Fall 2021 with 6 faculty members and plans to grow significantly over the next five years. The department includes faculty at all levels including one Distinguished Professor, has faculty with an NSF CAREER award, active NSF grants, and an NVIDIA AI Lab. The department faculty develop foundational data science methods and conduct research to solve real-world grand challenges that leverage data science in application areas such as FinTech, Health Informatics, and Cybersecurity and play a key role in the NJIT Institute for Data Science, the Center for Big Data, the Cybersecurity Research Center, and the Center for AI Research. The department has strong connections with local industry and works closely with many companies through student Capstone projects, internships, co-ops and joint R&D projects; these include the major high-tech companies (Amazon, Facebook, Google, Microsoft) as well as financial / Wall Street companies (Bank of America, JP Morgan Chase) and Pharmaceuticals (Johnson and Johnson, Merck). Data Science participates aside of the Computer Science Department, which enrolls approximately 1,800 students at all levels across nine programs of study, and the Informatics Department, that enrolls 1,000 students at all levels, in the Ying Wu College of Computing (YWCC). The College comprises 32% of the NJIT enrollment, educating more than 3,400 students in computing disciplines, and graduating close to 1000 computing professionals every year. As such, it is the largest generator of computing talent in the tristate (NY, NJ, CT) area.

To formally apply for the position, please submit your application (including CV and Cover letter) to NJIT’s career site: njit.csod.com/ux/ats/careersite/1/home/requisition/3347?c=njit

You must also submit additional candidate materials online at https://academicjobsonline.org/ajo/jobs/19179; the additional candidate materials include a cover letter, CV, Research Statement, Teaching Statement, and the contact information for at least three references. NJIT recognizes the importance of Diversity, Equity, and Inclusion (DEI) in academia and society at large. Candidates who have a track record in DEI are requested to also submit an optional Diversity Statement.

Applications received by 15 December 2021 will receive full consideration. However, applications are welcome until the position is filled. Applications will be evaluated as they are received. Contact address for inquiries: ds-faculty-search@njit.edu

As an EEO employer NJIT is committed to building a diverse and inclusive teaching, research, and working environment and strongly encourages applications from individuals with disabilities, minorities, veterans, and women.

Diversity is a core value of NJIT and we are committed to make diversity, equity and inclusion, part of everything we do. We celebrate the diversity of our university community and recognize the cultural and personal differences. We strive to cultivate an inclusive campus culture that promotes excellence among our faculty, staff and students. Building a robust and diverse community is critical to NJIT’s continuing status as a premier institution of higher education and a leading polytechnic university.”

New Jersey Institute of Technology

Department Chair Department of Data Science

The Department of Data Science at New Jersey Institute of Technology (NJIT) invites applications for the position of Department Chair. The successful candidate should demonstrate academic leadership skills necessary to create the conditions for faculty and student development and encourage interdisciplinary research across the university as well as with other national and international partners. The chair is expected to play an active role in capitalizing on the department’s strengths to elevate the department’s visibility and recognition.

The Department of Data Science is a new department launched in Fall 2021 with 6 faculty members and plans to
grow significantly over the next five years. The department includes faculty at all levels including one Distinguished Professor. The faculty in the department have a strong track record of grant funding from NSF, NIH, DoD, DOE, and industry. The department faculty develop foundational data science methods and conduct research to solve real-world grand challenges that leverage data science in application areas such as Cybersecurity, FinTech, Health Informatics, Urban Sustainability, and Solar Terrestrial Research, and play a key role in the NJIT Institute for Data Science, with its centers for Big Data, Cybersecurity Research, and AI Research. The department has strong connections with local industry and works closely with many companies through student Capstone projects, internships, co-ops and joint R&D projects. Data Science participates aside of the Computer Science Department and the Informatics Department, in the Ying Wu College of Computing (YWCC). The College comprises 32% of the NJIT enrollment, educating more than 3,400 students in computing disciplines, and graduating more than 1000 computing professionals every year. As such, NJIT is the largest generator of computing talent in the tri-state (NY, NJ, CT) area.

NJIT is designated a Carnegie R1 Research University, with $161M research expenditures in FY19. The department resides within the Ying Wu College of Computing, which is undergoing significant growth as a priority area for NJIT. This growth is an integral part of NJIT’s five-year strategic plan, which calls for consolidating NJIT as a world-class institution of higher education and research. Applied research, collaboration with industry, innovation and entrepreneurship are encouraged and supported. The College has recently expanded its graduate programs, including those in Data Science, to Jersey City, just across the Hudson River from the financial district of Lower Manhattan in New York City, where it serves the many working professionals in that region. NJIT is located in Newark’s University Heights, a vibrant downtown campus close to Rutgers-Newark, New Jersey Innovation Institute, Essex Community College, New Jersey Medical School, University Hospital, and Rutgers School of Dental Medicine. NJIT is just a 30-minute train ride from New York City and its burgeoning Silicon Alley tech sector.

Candidates must have a PhD in computing or a related discipline with a demonstrated track record of scholarly accomplishments commensurate with the appointment at the rank of Full Professor, including a sustained record of publication in top venues, attracting funding, and mentoring students. The ideal candidate must demonstrate administrative leadership as well as the ability to recruit, mentor and retain diverse research-intensive faculty, maintain a collegial and ethical environment, and work with faculty and students of diverse backgrounds.

To formally apply for the position, please submit your application (including CV and Cover letter) to NJIT’s career site: https://njit.csod.com/ux/ats/careersite/i/home/requisition/3405?c=njit

You must also submit additional candidate materials online at https://academicjobsonline.org/ajo/jobs/19698; the additional candidate materials include a cover letter, CV, Research Statement, Teaching Statement, Diversity Statement and the contact information for at least five references. NJIT recognizes the importance of Diversity, Equity, and Inclusion (DEI) in academia and society at large. Candidates are requested to also submit a Diversity Statement.

Applications must be received by December 15, 2021 to receive full consideration. However, applications are welcome until the position is filled.

Diversity is a core value of NJIT and we are committed to make diversity, equity and inclusion, part of everything we do. We celebrate the diversity of our university community and recognize the cultural and personal differences. We strive to cultivate an inclusive campus culture that promotes excellence among our faculty, staff and students. Building a robust and diverse community is critical to NJIT’s continuing status as a premier institution of higher education and a leading polytechnic university.

As an EEO employer NJIT is committed to building a diverse and inclusive teaching, research, and working environment and strongly encourages applications from individuals with disabilities, minorities, veterans, and women.
New Jersey Institute of Technology

Director of NJIT’s Institute for Cybersecurity

The Ying Wu College of Computing (YWCC) at the New Jersey Institute of Technology (http://computing.njit.edu/) invites applications for a senior faculty member to serve as the Director of the Institute for Cybersecurity. Candidates must have a PhD in computer science or a related discipline with a demonstrated track record of scholarly accomplishments commensurate with the appointment at the rank of Associate Professor or above (Full, Distinguished).

The successful candidate will hold a faculty appointment in the department of Computer Science and is expected to lead the creation of the Institute for Cybersecurity, which builds on top of existing research and educational strengths in the area of cybersecurity and will span multiple departments across NJIT. As the Director of the Institute for Cybersecurity, the successful candidate must attract funding and develop collaborative relationships with industry.

NJIT is designated a Carnegie R1 Research University, with $161M research expenditures in FY20. The Computer Science Department is ranked 77 nationally by csrankings.org, and has 29 tenured/tenure track faculty, with eight NSF CAREER awardees and one DARPA Young Investigator recipient, and a research expenditure of 12 Million dollars in FY20. The department has strong connections with local industry and works closely with many companies through student Capstone projects, internships, co-ops and joint R&D projects; these include major high-tech companies (Amazon, Apple, Facebook, Google, Microsoft) as well as financial / Wall Street companies (Bank of America, JP Morgan Chase) and Pharmaceuticals (Johnson & Johnson, Merck).

To apply for the position, please submit your application (including CV and Cover letter) to NJIT’s career site: https://njit.csod.com/ux/ats/careersite/I/home/requisition/3409?c=njit. You must also submit additional candidate materials online at https://academicjobsonline.org/ajo/jobs/19436; the additional candidate materials must include a cover letter, CV, Research Statement, Teaching Statement, and the contact information for at least three references. NJIT recognizes the importance of Diversity, Equity, and Inclusion (DEI) in academia and society at large. Candidates who have a track record in DEI are requested to also submit an optional Diversity Statement. Applications received by December 31, 2021 will receive full consideration. However, applications are reviewed until all the position is filled. Contact address for inquiries: cs-facultysearch@njit.edu

New Jersey Institute of Technology

Founding Director, NJIT-BGU Institute for Future Technologies

New Jersey Institute of Technology (NJIT) (http://www.njit.edu/) invites applications for a senior faculty member to serve as the Director of the Institute for Future Technologies - the embodiment of the recently announced partnership between NJIT and Israel’s Ben-Gurion University of the Negev (BGU), physically located in Jersey City, NJ.

The Institute for Future Technologies (IFT) encapsulates activities primarily in Cyber and Information Technologies, revolving around joint research, joint graduate degrees and support of innovation and entrepreneurship (tech transfer and commercialization). Candidates must hold a PhD in computing or a related discipline with a demonstrated track record of scholarly accomplishments commensurate with the appointment at
the rank of Associate Professor or above. Although serving both NJIT and BGU, the successful candidate will hold a permanent faculty appointment in one of the three departments of the Ying Wu College of Computing (YWCC) at NJIT: Computer Science, Informatics or Data Science. As Founding Director of the Institute, s/he will continue to develop and implement a vision for a partnership between two leading educational institutions on different continents, bridging two different systems, cultures and traditions, while synergizing the best of both. S/he must be comfortable working with both institutions, their faculty, staff and leadership and spending time at BGU in Israel building productive working relationships. S/he must build visibility, attract funding and develop collaborative relationships with industry. The ideal candidate should have a strong business sense, experience in new program/center development and an understanding of what it takes to operate in a competitive environment. Exceptional leadership, managerial, organizational and communication skills, financial acumen and the potential to fundraise are essential.

NJIT is located in Newark’s University Heights, a vibrant sprawling urban campus. The Newark/ New York City metropolitan area is emerging as an important high technology hub, with a burgeoning Silicon Alley tech sector, which includes large tech companies as well as a vibrant ecosystem of innovative start-ups. NJIT has recently established a presence and expanded its graduate programs to Jersey City (‘NJIT@JerseyCity’), just across the Hudson River from the financial district of Lower Manhattan in New York City, where it serves the vast pool of working professionals in the region. The Founding Director position will be physically housed at the NJIT@JerseyCity location.

Ben-Gurion University of the Negev (BGU) is the fastest growing research university in Israel – a country known for its technological prowess as the “Startup Nation”. With 20,000 students, 6,000 staff and faculty members, and three campuses in Beer-Sheva, Sde Boker and Eilat, BGU is an agent of change, fulfilling the vision of David Ben-Gurion, Israel’s legendary first prime minister. International students coming from over 75 countries are an important component on its vibrant campuses.

BGU is at the heart of Beer-Sheva’s transformation into an innovation district, where leading multinational corporations and start-ups eagerly leverage BGU’s expertise to generate innovative R&D. The Israeli government has catalyzed this by making significant investments both in the tech ecosystem in Beer-Sheva and in BGU.

To formally apply for the position, please submit CV, Cover letter, Research Statement, Teaching Statement, and the contact information for at least three references to NJIT’s career site: https://njit.csod.com/ux/ats/careersite/I/home/requisition/3476?c=njit

Applications received by December 31, 2021 will receive full consideration. However, applications are welcome until the position is filled.

International candidates are especially welcome.

Diversity is a core value of NJIT and we are committed to make diversity, equity and inclusion, part of everything we do. We celebrate the diversity of our university community and recognize the cultural and personal differences. We strive to cultivate an inclusive campus culture that promotes excellence among our faculty, staff and students. Building a robust and diverse community is critical to NJIT’s continuing status as a premier institution of higher education and a leading polytechnic university.

As an EEO employer NJIT is committed to building a diverse and inclusive teaching, research, and working environment and strongly encourages applications from individuals with disabilities, minorities, veterans, and women.
**New Jersey Institute of Technology**

*Multiple positions in Information Science / Information Technology*

The Informatics Department seeks outstanding faculty for multiple tenure-track positions. We seek candidates with a Ph.D. in a computing or computing-related discipline and a strong record of research.

The areas of interest include, but are not restricted to:

- Social computing and network analytics
- Human-computer interaction
- Information Science and Data Mining
- Networks & Cloud Computing
- Cybersecurity
- Visual computing and computer graphics
- Information Technology

Outstanding candidates in other information science, information technology, and computational areas will also be considered.

**Work Environment and Advantages**

Incoming tenure-track faculty begin with a teaching load of only 1/1, supporting a highly productive research agenda. NJIT offers competitive salaries: top 1% in faculty pay among 1,292 public universities.

With a location less than 25 minutes from Manhattan, NJIT is situated squarely within the greater New York infotech corridor. NJIT has ongoing projects and collaborations with Google, Facebook, IBM, Verizon, Audible, Panasonic, and many tech start-ups.

NJIT has recently expanded its graduate programs to a new Jersey City campus, with waterfront, skyscraper facilities overlooking Lower Manhattan.

The Informatics Department is part of the Ying Wu College of Computing (YWCC), the largest college of computing in the tri-state region of New York, New Jersey, and Pennsylvania and one of the largest in the USA. About 25% of all high-tech employees in New Jersey have trained at YWCC. YWCC carries out innovative projects funded by NSF, NIH, DARPA, and partner companies such as Oculus, Verizon, and others.

NJIT is located in the University Heights area, an academic mecca with more than 50,000 college students across five universities and colleges. NJIT and Rutgers-Newark are side-by-side sister campuses with shared programs, classes, and research projects.

**Apply for a tenure-track position @NJIT**

To formally apply for the position, please submit your application (including CV and Cover letter) to NJIT’s career site: [https://njit.csod.com/ux/ats/careersite/I/home/requisition/3346?c=njit](https://njit.csod.com/ux/ats/careersite/I/home/requisition/3346?c=njit)

You must also submit additional candidate materials online at [https://academicjobsonline.org/ajo/jobs/19181](https://academicjobsonline.org/ajo/jobs/19181); the additional candidate materials include a cover letter, CV, Research Statement, Teaching Statement, and the contact information for at least three references.

NJIT recognizes the importance of Diversity, Equity, and Inclusion (DEI) in academia and society at large. Candidates who have a track record in DEI are requested to also submit an optional Diversity Statement.

For additional information and inquiries, contact informatics@njit.edu or call the Search Committee Chair, Dr. Mike Halper, at (973) 596-5764.

International candidates are especially welcome.

Diversity is a core value of NJIT and we are committed to make diversity, equity and inclusion, part of everything we do. We celebrate the diversity of our university community and recognize the cultural and personal differences. We strive to cultivate an inclusive campus culture that promotes excellence among our faculty, staff and students. Building a robust and diverse community is critical to NJIT’s continuing status as a premier institution of higher education and a leading polytechnic university.

As an EEO employer NJIT is committed to building a diverse and inclusive teaching, research, and working environment and strongly encourages applications from individuals with disabilities, minorities, veterans, and women.”

**New Jersey Institute of Technology**

*Tenure-Track Faculty Positions*

The Computer Science Department at the New Jersey Institute of Technology (NJIT) invites applications for tenure-track faculty positions starting in Fall 2022. We have two open positions, a position...
specifically targeted to cybersecurity, and another position in any area of mainstream computer science (e.g., Machine Learning, Artificial Intelligence, Programming Languages, Software Engineering). While we are interested in hiring at the rank of Assistant Professor, exceptional candidates at higher ranks will also be considered.

NJIT is designated a Carnegie R1 Research University, with $161M research expenditures in FY20. The Computer Science Department is ranked 77 nationally by csrankings.org, and has 29 tenured/tenure track faculty, with eight NSF CAREER awardees and one DARPA Young Investigator award, and a research expenditure of 12 Million dollars in FY20. The Computer Science Department enrolls approximately 1,900 students at all levels across eleven programs of study and takes part, alongside the Department of Informatics and the Department of Data Science, in the Ying Wu College of Computing. The College has an enrollment of more than 3,300 students in computing disciplines, and graduates more than 900 computing professionals every year; as such, it is the largest purveyor of computing talent in the tri state (NY, NJ, CT) area.

To apply for the position, please submit your application (including CV and Cover letter) to NJIT’s career site: https://njit.csod.com/ux/ats/careersite/I/home/requisition/3343?c=njit.

You must also submit additional candidate materials online at https://academicjobsonline.org/ajo/jobs/19180; the additional candidate materials must include a cover letter, CV, Research Statement, Teaching Statement, and the contact information for at least three references. NJIT recognizes the importance of Diversity, Equity, and Inclusion (DEI) in academia and society at large. Candidates who have a track record in DEI are requested to also submit an optional Diversity Statement. Applications received by December 31, 2021 will receive full consideration. However, applications are reviewed until all the positions are filled. Contact address for inquiries: cs-facultysearch@njit.edu.

As an EEO employer NJIT is committed to building a diverse and inclusive teaching, research, and working environment and strongly encourages applications from individuals with disabilities, minorities, veterans, and women.

Diversity is a core value of NJIT and we are committed to make diversity, equity and inclusion, part of everything we do. We celebrate the diversity of our university community and recognize the cultural and personal differences. We strive to cultivate an inclusive campus culture that promotes excellence among our faculty, staff and students. Building a robust and diverse community is critical to NJIT’s continuing status as a premier institution of higher education and a leading polytechnic university.

New York University
Tenure-Track Positions in Artificial Intelligence

As a part of its Artificial Intelligence Initiative, New York University invites candidates to apply for tenure-track positions in AI. The search is conducted jointly by the NYU Courant Computer Science department, the NYU Center for Data Science, the NYU Tandon Computer Science and Engineering Department, and the NYU Tandon Electrical and Computer Engineering Department; the faculty appointments can be in any of the four units, or joint.

We are looking for strong candidates working in a broad set of areas of AI, including, but not limited to, machine learning, natural language processing, computer vision, robotics, AI for Health. Competitive salaries and startup packages will be offered. New appointees are expected to be outstanding scholars and to participate in teaching at all levels from undergraduate to doctoral. NYU offers an outstanding scholarly environment, with a large and rapidly expanding group of faculty working in AI.

Collaborative research with industry is facilitated by geographic proximity to AI research labs at Facebook, Google, DeepMind, Amazon, Microsoft Research, IBM, Bell Labs, AT&T Research, Flatiron Institute and many companies and non-profits involved in AI research and applications.

For candidates interested in AI for Health, ample opportunities exist to develop collaborative and translational research projects with NYU Langone Medical Center, the Grossman School of Medicine, the College of Dentistry, and other top-notch medical institutions in the New York area.

NYU belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches, and
our faculty are supported by a range of work-life balance programs provided by the NYU Office of Work Life (link: https://www.nyu.edu/about/leadership-university-administration/office-of-the-president/office-of-the-provost/work-life.html).

For full consideration, please apply by December 1, 2021, though we will continue to review applications past that date as needed.

*QUALIFICATIONS:*

A PhD in Computer Science or a related field is required.

Required application materials:

- CV
- Cover Letter
- Research Statement
- Teaching Statement
- Three (3) confidential letters of recommendation
- Three (3) of your most significant publications, software, or research products

We encourage applicants to include an optional statement of experience with or knowledge of inclusion, diversity, equity, and belonging efforts and your plans for incorporating them into your teaching, research, mentoring, and service.

*APPLY:*

Please apply through Interfolio via this link.

https://apply.interfolio.com/96495

EOE/AA/Minorities/Females/Veterans/Disabled/Sexual Orientation/Gender Identity

---

**New York University**  
**Assistant or Associate Professor in Medical Image Analysis**  
**Department of Computer Science and Engineering**

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for a tenure-track professor position at the level of Assistant or Associate Professor, to start September 2022.

This search is part of the Health Engineering cluster hire at NYU Tandon, a strategic effort to invest in Research and Technologies related to Health. More information about NYU’s broader Faculty Cluster Hiring Initiative, can be found here and here.

The focus of this search is in Medical Image Analysis. We seek candidates with excellent qualifications in mathematical, algorithmic and statistical concepts foundational to image analysis, including core areas of AI such as computer vision and machine learning. Candidates should have a proven record in interdisciplinary collaborative research primarily related to medical or biomedical research. NYU offers unparalleled opportunities for research across boundaries through interdisciplinary collaborations with NYU’s top-ranked medical school, with centers and research programs in optical and radiological imaging, neuroscience, systems genetics, and with research departments including Radiology, Ophthalmology, Orthopedic Surgery, Psychiatry, Rehabilitation Medicine, and Global Public Health. You will also have opportunities to initiate collaborations with Tandon’s Biomedical Engineering Department, possibly with a joint appointment, the Center for Biomedical Imaging (CBI) of the Department of Radiology, the Computer Science Department of the Courant Institute, and the NYU Center for Data Science.

**Qualifications**

You should have a Ph.D. degree in computer science or a closely related discipline. We seek individuals with evidence of excellent scholarship who have the potential or demonstrated ability to develop and lead a strong research program. You should demonstrate or show potential for excellence in teaching and mentoring.

**Application Instructions**

Please submit the following materials electronically:

- Cover letter
- Current CV
- Research and Teaching statements
- A statement of your experience with or knowledge of inclusion, diversity, equity, and belonging efforts and your plans for incorporating them into your teaching, research, mentoring, and service.
- Recent teaching evaluations (if available)
- Names and contact information for three references. Referees will upload confidential letters of reference in the Interfolio system.

We will review applications beginning in early December and will continue until we fill the position. We encourage you to submit early.
Professional Opportunities

Apply Here:  
https://apply.interfolio.com/98695

About Us

The Department of Computer Science and Engineering (CSE) at the NYU Tandon School of Engineering (NYU Tandon) is home of centers and research teams that are among the top groups in the country. Departmental research areas include big data management, analysis and visualization, imaging, security and privacy, algorithms and theory, and machine learning. We have groups working in interdisciplinary research areas like AI for games, fair and responsible data science, cybercrime, public health and social media, online political communication, urban computing, and sports analytics.

New York University (NYU) is one of the top private universities in the United States. NYU Tandon School of Engineering has an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering. Our mission is to excel in research, teaching, and entrepreneurship. We aim to inspire and educate engineers for the 21st century. NYU Tandon faculty are world renowned leaders in science and technology, with a strong commitment to research, innovation, and entrepreneurship that make a difference in the world. Our faculty and students are part of the high-tech start-up culture in New York City and in downtown Brooklyn, and we support four “future lab” business incubators that connect our students and faculty to today’s innovation economy. With NYU’s unrivaled global network of campuses, we promote a truly global engineering education. We are deeply committed to teaching and learning.

NYU Tandon is committed to substantially increase the proportion of our faculty from historically underrepresented groups in STEM and we encourage candidates from such groups to apply. We aspire to create a climate where diversity and inclusion are not only appreciated but considered an asset for creativity and innovation, and we seek faculty who have a real passion for a culturally diverse environment. We take pride in our high numbers of female students and students who are the first in their family to go to college. NYU belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches, and our faculty are supported by a range of work-life balance programs provided by the NYU Office of Work Life.

Equal Employment Opportunity Statement

For people in the EU, click here for information on your privacy rights under GDPR: www.nyu.edu/it/gdpr

NYU is an Equal Opportunity Employer and is committed to a policy of equal treatment and opportunity in every aspect of its recruitment and hiring process without regard to age, alienage, caregiver status, childbirth, citizenship status, color, creed, disability, domestic violence victim status, ethnicity, familial status, gender and/or gender identity or expression, marital status, military status, national origin, parental status, partnership status, predisposing genetic characteristics, pregnancy, race, religion, reproductive health decision making, sex, sexual orientation, unemployment status, veteran status, or any other legally protected basis. Women, racial and ethnic minorities, persons of minority sexual orientation or gender identity, individuals with disabilities, and veterans are encouraged to apply for vacant positions at all levels.

Sustainability Statement

NYU aims to be among the greenest urban campuses in the county and carbon neutral by 2040. Learn more at nyu.edu/sustainability.

New York University

Tandon School of Engineering

Contract Faculty, Department of Computer Science and Engineering, New York University

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for two full time, non-tenured, renewable faculty positions in Computer Science, at the level of Industry Assistant Professor or Industry Associate Professor, with start dates of January 2022 and September 2022, respectively.

An Industry Professor’s primary roles are teaching, mentoring, and educational innovation, and the position may also entail some administrative work and outreach. The professor may be responsible for managing a team of teaching assistants. The normal teaching load is 3 courses per academic semester.
Professional Opportunities

Qualifications
We invite applicants for classroom teaching in all areas of Computer Science, including a broad range of undergraduate and graduate courses, including, but not limited to algorithms, software engineering, artificial intelligence, machine learning, databases, operating systems, and security. You should be an excellent teacher with substantial experience. At least an MS degree or equivalent in Computer Science or a closely related discipline is required. A Ph.D. degree in Computer Science or a closely related discipline is a strong advantage, as is a record of industrial experience, but neither is necessary.

Application Instructions
Please submit the following materials electronically:

• Cover letter
• Current CV
• Teaching statement
• A statement of your experience with or knowledge of inclusion, diversity, equity, and belonging efforts and your plans for incorporating them into your teaching, research, mentoring, and service.
• Recent teaching evaluations (if available)
• Names and contact information for three references who are willing to write letters of reference on your behalf.
• Contact information for three references. Referees will upload letters of reference in the Interfolio system.

We will review applications beginning on November 20, 2021 and will continue until we fill the position. We encourage you to submit early. Should you have any questions please contact Jeff Epstein at jeff.epstein@nyu.edu.

Apply Here: https://apply.interfolio.com/98452

About Us
New York University (NYU) is one of the top private universities in the United States. NYU Tandon has an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering. Our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. NYU Tandon faculty are world renowned leaders in science and technology, with a strong commitment to research, innovation, and entrepreneurship that make a difference in the world. With NYU’s unrivaled global network of campuses, we promote a truly global engineering education. We are deeply committed to teaching and learning, and we lead in online education and in K-12 STEM outreach. Our students conduct Vertically Integrated Research projects and participate in an extensive undergraduate summer research program.

The Department of Computer Science and Engineering offers BS degrees in Computer Science and Computer Engineering, MS degrees in Computer Science, Computer Engineering, Cybersecurity, Cybersecurity Risk and Strategy, and a PhD degree in Computer Science.

NYU Tandon is committed to substantially increase the proportion of our faculty from historically underrepresented groups in STEM and we encourage candidates from such groups to apply. We aspire to create a climate where diversity and inclusion are not only appreciated but considered an asset for creativity and innovation, and we seek faculty who have a real passion for a culturally diverse environment. We take pride in our high numbers of female students and students who are the first in their family to go to college. Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches, and our faculty are supported by a range of services and programs provided by the NYU Office of Work Life.

Equal Employment Opportunity Statement
For people in the EU, click here for information on your privacy rights under GDPR: www.nyu.edu/it/gdpr

NYU is an Equal Opportunity Employer and is committed to a policy of equal treatment and opportunity in every aspect of its recruitment and hiring process without regard to age, alienage, caregiver status, childbirth, citizenship status, color, creed, disability, domestic violence victim status, ethnicity, familial status, gender and/or gender identity or expression, marital status, military status, national origin, parental status, partnership status, predisposing genetic characteristics, pregnancy, race, religion, reproductive health decision making, sex, sexual orientation, unemployment status, veteran status, or any other legally protected basis. Women, racial and ethnic minorities, persons of minority sexual orientation...
or gender identity, individuals with disabilities, and veterans are encouraged to apply for vacant positions at all levels.

**Sustainability Statement**

NYU aims to be among the greenest urban campuses in the country and carbon neutral by 2040. Learn more at [nyu.edu/sustainability](http://nyu.edu/sustainability)

---

**New York University**

**Tandon School of Engineering**

**Department Chair and Professor**

The Department of Computer Science and Engineering (CSE) at the NYU Tandon School of Engineering (NYU Tandon) invites applications for the position of Department Chair and Professor of CSE, with an anticipated start date of September 1, 2022.

The CSE department has 22 tenured/tenure-track faculty members, including 13 NSF CAREER Award winners, as well as 13 contract faculty members. We have multiple tenure track faculty slots open for growth. The department has a history of collaborative research across NYU, including with the Center for Urban Science and Progress, the Center for Data Science, the Grossman School of Medicine, the Global School of Public Health, the Courant Institute of Mathematical Sciences, and other Tandon School of Engineering Departments.

Departmental research areas include big data management, analysis, and visualization, security and privacy, algorithms and theory, and machine learning. We also have groups working in interdisciplinary research areas like AI for games, fair and responsible data science, cybersecurity, public health and social media, online political communication, urban computing, and sports analytics.

**Qualifications**

The Department Chair is expected to provide vision, leadership and administrative oversight for maintaining excellence in the education and research programs in the department. As the primary academic leader in the department, the Chair will serve as the primary representative of the department within the School, the University, and the community-at-large.

Successful candidates should have a Ph.D. degree in Computer Science, or a closely related discipline. We seek an individual with a strong record of scholarship, leadership, curricular innovation, entrepreneurship, and an excellent funding record.

**Application Instructions**

Please submit the following materials electronically:

- Cover letter
- Current CV
- Research statement
- Teaching statement
- A statement of your experience with or knowledge of inclusion, diversity, belonging, and equity (IDBE) efforts and your plans for incorporating them into your teaching, research, mentoring, and service
- Recent teaching evaluations (if available)
- Names and contact information for four references.

Apply here: [https://apply.interfolio.com/96792](https://apply.interfolio.com/96792)

We will review applications beginning on November 1, 2021, and will continue until we fill the position. We encourage you to submit early.

**About Us**

New York University (NYU) is one of the top private universities in the United States. NYU Tandon School of Engineering has an illustrious past as “Brooklyn Poly” and Polytechnic University. Our mission is to excel in research, teaching, and entrepreneurship. We aim to inspire and educate engineers for the 21st century. NYU Tandon faculty are world renowned leaders in science and technology, with a strong commitment to research, innovation, and entrepreneurship that make a difference in the world. We lead and have ties to multidisciplinary centers in wireless technology, cybersecurity, urban informatics, data sciences, artificial intelligence, renewable energy, and health, among others. Our faculty and students are part of the high-tech start-up culture in New York City and in downtown Brooklyn, and we support four “future lab” business incubators that connect our students and faculty to today’s innovation economy. With NYU’s unrivaled global network of campuses, we promote a truly global...
Professional Opportunities

We are deeply committed to teaching and learning. NYU Tandon is committed to substantially increase the proportion of our faculty from historically underrepresented groups in STEM and we encourage candidates from such groups to apply. We aspire to create a climate where diversity and inclusion are not only appreciated but considered an asset for creativity and innovation, and we seek faculty who have a real passion for a culturally diverse environment. We take pride in our high numbers of female students and students who are the first in their family to go to college. NYU belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches, and our faculty are supported by a range of work-life balance programs provided by the NYU Office of Work Life.

Equal Employment Opportunity Statement

For people in the EU, click here for information on your privacy rights under GDPR: www.nyu.edu/it/gdpr

NYU is an Equal Opportunity Employer and is committed to a policy of equal treatment and opportunity in every aspect of its recruitment and hiring process without regard to age, alienage, caregiver status, childbirth, citizenship status, color, creed, disability, domestic violence victim status, ethnicity, familial status, gender and/or gender identity or expression, marital status, military status, national origin, parental status, partnership status, predisposing genetic characteristics, pregnancy, race, religion, reproductive health decision making, sex, sexual orientation, unemployment status, veteran status, or any other legally protected basis. Women, racial and ethnic minorities, persons of minority sexual orientation or gender identity, individuals with disabilities, and veterans are encouraged to apply for vacant positions at all levels.

Sustainability Statement

NYU aims to be among the greenest urban campuses in the county and carbon neutral by 2040. Learn more at nyu.edu/sustainability.

New York University Courant Institute

Tenure-Track Position In Computer Science

The Computer Science department expects to have several tenure-track faculty positions and invites candidates at all levels to apply. We are looking for candidates in all areas of computer science, in particular in AI, verification, systems and theory. We encourage AI candidates to apply through our AI search (http://apply.interfolio.com/96495). Faculty members are expected to be outstanding scholars and to participate in teaching at all levels from undergraduate to doctoral. New appointees will be offered competitive salaries and startup packages.

The department has 44 regular faculty members as well as clinical, research, adjunct, and visiting faculty members. The department’s current research activities span algorithms, cryptography and theory, computational biology, distributed computing and networking, graphics, vision and multimedia, machine learning and data science, natural language processing, scientific computing, verification and programming languages.

Collaborative research with industry is facilitated by geographic proximity to computer science activities at Facebook, Google, DeepMind, Amazon, Microsoft Research, IBM, Bell Labs, AT&T Research, Flatiron Institute and many other companies with research divisions in NYC area.

Qualifications:

A PhD in Computer Science or a related area is required. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department.

Application Instructions

Please apply through Interfolio via this link: http://apply.interfolio.com/97448

Applicants should submit a letter of interest/cover letter (please see instruction in the application), curriculum vita, a list of no more than 3 of your most significant publications, software, or other research products. Please also provide the names and contact information of at least three references via the contact reference required document in the application. All application materials should be uploaded through Interfolio.

For full consideration we recommend that applicants apply by December 1, 2021, though we will continue to review applications past that date as needed.

EOE/AA/Minorities/Females/Veterans/Disabled/Sexual Orientation/Gender Identity
North Carolina State University

Faculty Position In Quantum Computing

Departments of Computer Science and Electrical & Computer Engineering

The Departments of Computer Science and Electrical & Computer Engineering are seeking to fill a joint tenure-track faculty position in quantum computing beginning in August 2022. The position is made possible through an NSF Quantum Computing & Information Science Faculty Fellow Grant. It is anticipated that hiring will be at the Assistant or Associate Professor rank.

Candidates in all areas of quantum computing will be considered, with particular emphasis on topics synergistic with the IBM Q Hub at NC State, http://quantum.ncsu.edu, and on candidates whose interests contribute to a rapidly-growing multi-disciplinary quantum community across the NC State campus. Presently, the IBM Q Hub provides access to multiple IBM quantum processors ranging from 1 to 65 qubits, including pulse-level control of qubit operations. Experience or interest in other quantum computing technologies would also be welcome.

Inclusiveness and diversity are integral to NC State’s commitment to excellence in research, engagement, and education. We are particularly interested in candidates who have demonstrated experience engaging with diversity through activities such as fostering an inclusive environment, working with students from diverse backgrounds, or incorporating diverse perspectives in research.

Candidates must possess a Ph.D. or equivalent in computer science, electrical or computer engineering, or a related discipline at the time of appointment, and must have demonstrated the potential to build a strong research program and an excellent teaching record.

The Department of Computer Science, part of NC State’s College of Engineering, is one of the largest and oldest in the country. Research expenditures, national ranking, and recognition have been growing steadily. For example, we have one of the largest concentrations of prestigious NSF Early Career Award winners (30 of our current or former faculty are recipients.) The ECE Department is one of the top 10 suppliers of ECE talent at the BS level in the US, and also ranks in the top 10 public ECE Departments in total annual research expenditures (ASEE). The CSC and ECE departments have distinguished faculties, including a number of AAAI Fellows, ACM Fellows, and IEEE Fellows. The departments are located in close proximity in state-of-the-art facilities on NC State’s Centennial Campus.

NC State University is located in the technology-rich Research Triangle metropolitan area, and faculty members collaborate routinely with local industry. The Research Triangle area is frequently recognized in nationwide surveys as one of the best places to live in the US. We enjoy outstanding public schools, affordable housing, and great weather, all in the proximity of the mountains and the seashore.

Applications will be reviewed as they are received. Applicants will receive consideration starting on November 16, 2021.

Applicants should submit the following online at http://jobs.ncsu.edu (reference position number 00000572): cover letter, curriculum vitae, research statement, teaching statement, and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the departments and their research programs, as well as more detail about the position advertised, at http://www.csc.ncsu.edu and http://www.ece.ncsu.edu. Inquiries may be sent via email to the Faculty Search Committee Chair, at qcfacultyhire@ncsu.edu.

NC State University is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran. Individuals with disabilities requiring disability-related accommodations in the application and interview process, please call 919-515-3148. Final candidates are subject to background checks. If their highest degree is from an institution outside of the U.S., final candidates are required to have their degree verified at www.wes.org. Degree must be obtained prior to the start date. NC State University participates in E-Verify. Federal law requires all employers to verify the identity and employment eligibility of all persons hired to work in the United States.
NC STATE UNIVERSITY

FACULTY POSITIONS

The Department of Electrical and Computer Engineering is seeking to fill multiple tenure-track faculty positions beginning in August 2022. It is anticipated that hiring will be at the Assistant or Associate Professor rank, but candidates at all levels will be considered.

More information about the position can be found at https://apptrkr.com/2670231

Northeastern University

Assistant/Associate/Full Professor in Digital Health and Social Justice

Description and application: https://careers.hrm.northeastern.edu/en-us/job/508380/open-rank

The Department of Health Sciences at Northeastern University seeks an open rank interdisciplinary scholar to advance Northeastern University’s strategic goals in public health and health equity by conducting research on the collection, analysis, visualization, or use of health data or health interventions as a tool for improving health and wellness. This faculty member will build strength in the social justice and ethical dimensions of health data acquisition, health data analytics, or health technological innovation, championing new approaches with interdisciplinary collaborations. The department construes health science as a science of health data and an excellent teaching record.

Inclusiveness and diversity are integral to NC State’s commitment to excellence in research, engagement, and education. We are particularly interested in candidates who have demonstrated experience engaging with diversity through activities such as fostering an inclusive environment, working with students from diverse backgrounds, or incorporating diverse perspectives in research.

Other Responsibilities:
Other duties as assigned.

Minimum Education and Experience
• Candidates must possess a Ph.D. or equivalent in either computer science, physics, or a related discipline at the time of appointment.
• Candidates must have demonstrated the potential to build a strong research program and an excellent teaching record.

Other Required Qualifications
• Candidates must have a strong commitment to academic and research excellence, and an outstanding research record commensurate with the expectations of a major research university.
• Candidates must have demonstrated experience engaging with diversity through activities such as fostering an inclusive environment, working with students from diverse backgrounds, or incorporating diverse perspectives in research.

Job Open Date: 1/11/2021

Anticipated Close Date: Open Until Filled

Special Instructions to Applicants:
Applicants should submit the following online: cover letter, curriculum vitae, research statement, teaching statement, diversity, equity, and inclusion statement (use Other Document 1), and names and contact information for four (4) professional references, including email address and phone numbers. Candidates can obtain information about the department and its research programs, as well as more detail about the position advertised at http://www.ece.ncsu.edu. Inquiries and nominations may be directed to NC State’s Executive Search Services team:

Frank Baranek, Recruitment Services Manager
919-794-2641
fbaranek@ncsu.edu

Justin Lang, Director
919-794-2641
jlang@ncsu.edu

Position Number: 00005071
Position Type: Tenured/Tenure-Track Faculty
Full Time Equivalent (FTE): 1.0 and 40-49 hours/week
1.0 Appointment: 9 Months Nearing Completion
Mandatory Designation: Adverse Weather: Non-Mandatory: Adverse Weather

Job Location: Raleigh, NC

Other Required Qualifications
• A Ph.D., M.D., or equivalent doctoral degree in Health Informatics, Biostatistics, Epidemiology, Public Health, Population Health, Computer Science, or Data Science. Data Science, or a related field is required by the appointment start date. Candidates must articulate or demonstrate a commitment to undergraduate/graduate teaching excellence and a record of interdisciplinary scholarly achievement commensurate with rank. The successful applicant will have a robust research portfolio and demonstrate extramural funding or the promise to secure such funding.

Apply At: https://apptrkr.com/2634707

NC STATE UNIVERSITY Department of Electrical & Computer Engineering
Assistant/Associate/Full Professor
Electrical and Computer Engineering - Computer Engineering

About Northeastern: Founded in 1898, Northeastern is a global research university and the recognized leader in experience-driven lifelong learning. Our world-renowned experiential approach empowers our students, faculty, alumni, and partners to create impact far beyond the confines of discipline, degree, and campus.

Our locations—Boston; Charlotte, North Carolina; London; Portland, Maine; San Francisco; Seattle; Silicon Valley; Toronto; Vancouver; and the Massachusetts communities of Burlington and Nahant—are nodes in our growing global university system. Through this network, we expand opportunities for flexible, student-centered learning and collaborative, solutions-focused research.

Northeastern’s comprehensive array of undergraduate and graduate programs— in a variety of on-campus and online formats—lead to degrees through the doctorate in nine colleges and schools. Among these, we offer more than 195 multi-discipline majors and degrees designed to prepare students for purposeful lives and careers.

About the Opportunity: Northeastern University’s Department of Electrical & Computer Engineering seeks outstanding candidates for the position of Assistant/associate/full teaching professor with a focus on Computer Engineering in the area of software engineering and programming structures. This is a full-time, benefits-eligible, Non-Tenure-Track position. Appointments are made on an annual 8-month basis, with salary commensurate with experience.

Responsibilities: The position of Assistant Teaching professor entails educational interaction with students in roles including, but not limited to, traditional instruction (lecture courses, lab courses), curriculum development, and student advising. The main responsibility of this position is teaching Computer Engineering classes. The annual teaching course load is six courses, with the potential for teaching more than one section of a course in the same semester, over Fall and Spring semesters. Courses may be at both the undergraduate and graduate levels.

Teaching professors are also encouraged to pursue scholarly research on both educational and pedagogical topics as well as in their technical area of expertise, and have the opportunity to supervise graduate students.

Qualifications: A PhD in Computer Engineering, Electrical Engineering, or Computer Science with a commitment to teaching excellence, is required by the appointment start date. Candidates should have expertise with a range of Computer Engineering subareas, which may include software engineering, programming structures, algorithms, embedded systems, digital logic design and computer architecture. Excellent written and oral communication skills are required.

Application should include a cover letter, CV, teaching statement, 3 references. A sample syllabus from a previously taught class is optional but recommended.

Salary Grade: FAC

Additional Information: Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion.

All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, religion, color, national origin, age, sex, sexual orientation, disability status, or any other characteristic protected by applicable law.

To learn more about Northeastern University’s commitment and support of diversity and inclusion, please see www.northeastern.edu/diversity.

Job link: https://apotrkr.com/2646447
Northeastern University

**Assistant Teaching Professor/Associate Teaching Professor/Full Teaching Professor**

The Khoury College of Computer Sciences at Northeastern University invites applications for one or more positions at the rank of Assistant Teaching Professor/Associate Teaching Professor/Full Teaching Professor for AY2022-2023 at our campus in Boston, where we offer undergraduate, MS, and PhD programs. We also offer the Align program, a national initiative to close America’s tech diversity gap by offering an innovative Master of Science in CS for non-computer science majors. We are seeking highly motivated individuals committed to excellence in teaching. Full-time appointments at all ranks are renewable, career-focused, non-tenure-track positions with responsibilities in teaching and service.

We are seeking faculty to teach undergraduate and graduate courses in one or more of the following areas: Computer Science, Data Science, Cybersecurity, and Health Informatics. The successful candidate will create course content and materials, and they will collaborate with colleagues to develop academic relationships within the university and the local community. Building relationships with students and service to the college and university are integral components of the position. Khoury College also supports leadership efforts by teaching faculty that include research and scholarship, diversity initiatives, and service to the local Boston community.

A PhD in computer science or a related field is required by the appointment start date.

Khoury College has grown rapidly over the last five years in response to increased student demand at the BS, MS, and PhD levels and we expect to continue this rapid growth for the next several years. We invite you to join a fast-moving, ambitious college with an underlying mission that is driven by our motto of “CS for Everyone.” Khoury College is committed to diversity and inclusion in computer science. We aim to establish a computing population—students, faculty, researchers, and staff—that reflects today’s global society.

Northeastern University is home to 35,000 full- and part-time graduate and undergraduate students and to the nation’s premier cooperative education program. The past decade has witnessed a dramatic increase in Northeastern's international reputation for research and innovative educational programs.

Additional information and instructions for submitting application materials may be found at the following website: Careers at Northeastern. [https://careers.hrm.northeastern.edu/en-us/job/507955/assistantassociatefull-teaching-professorboston](https://careers.hrm.northeastern.edu/en-us/job/507955/assistantassociatefull-teaching-professorboston)

Compensation is commensurate with qualifications and includes an outstanding benefits package.

For more information about the College, please visit [http://khourynortheastern.edu/](http://khourynortheastern.edu/)

All qualified applicants are encouraged to apply and will receive consideration for employment. Northeastern does not discriminate against any applicant or employee because of race, religion, color, national origin, age, sex, sexual orientation, disability status, or any other characteristic protected by applicable law.

To learn more about Northeastern University’s commitment and support of diversity and inclusion, please see [www.northeastern.edu/diversity](http://www.northeastern.edu/diversity).

Northeastern University

**Open Rank Teaching Faculty**

The Roux Institute and Khoury College at Northeastern University in Portland, Maine invites applications for multiple open-rank CS teaching faculty positions, beginning spring, summer, or fall 2022 (the ad states 2021, but this is for next year). Applications will start being reviewed on November 19th.


Northeastern University

**Teaching track position at Northeastern San Francisco Bay Area**

The Khoury College of Computer Sciences at Northeastern University invites applications for an open-rank CS teaching faculty position beginning Fall 2022 in the San Francisco Bay Area with campuses
in San Francisco and San Jose. Khoury College offers the Master of Science in both Computer Science and Data Science (in conjunction with the College of Engineering) with the Align bridge program available for both programs.

To apply and for more information, see the official job posting.

In this SIGCSE 2020 paper you can learn more about the Align program: An MS in CS for non-CS Majors: Moving to Increase Diversity of Thought and Demographics in CS by Carla Brodley, et.al.

Northeastern University
Assistant/Associate/Full Professor

The Khoury College of Computer Sciences invites applications for several tenure-track and tenured faculty positions, beginning in Fall 2022. Applications will also be considered for faculty positions beginning Spring/Fall 2023. Applicants at all ranks will be considered. Candidates will be considered from all areas in computer science. The College is especially interested in applicants working at the intersection of multiple scientific fields. Candidates are expected to have or to develop an independently funded research program of international caliber and to participate in undergraduate and graduate teaching.

Responsibilities will include teaching undergraduate and graduate courses, mentoring students and conducting an independent research program.

A PhD in computer science or a related field is required by the appointment start date.

Khoury College has a diverse tenure/tenure-track faculty of 64, and it offers a broad array of research and educational opportunities to students. Since 2012, the college has hired 51 outstanding faculty members, and plans to continue this strategic growth in the coming years.

Faculty research spans all areas of computing and is interdisciplinary across seven of Northeastern’s colleges. 16 of the 64 faculty have joint appointments with other academic departments, including Electrical and Computer Engineering, Art and Design, Health Sciences, Communication Sciences and Disorders, Physics, Political Science, Psychology, Philosophy and Religion, Business, Mathematics, and Law. Khoury faculty members are integral to Northeastern University’s multidisciplinary institutes including the Network Science Institute, the Cybersecurity and Privacy Institute, and the new Institute of Experiential Artificial Intelligence.

The college offers three undergraduate degrees (CS, Data Science and Cybersecurity); seven MS degrees (CS, Health Informatics, Data Science, Cybersecurity, Game Science and Design, Artificial Intelligence, and Robotics) and four PhD degrees (CS, Network Science, Personalized Health Informatics, and Cybersecurity). Several of these are interdisciplinary degrees with other Colleges at Northeastern.

Khoury College is committed to broadening participation in CS to increase diversity of thought and demographics. For undergraduates, Khoury offers 36+ combined majors (CS+X) and has recently launched the Center for Inclusive Computing, which has the mission to broaden participation in undergraduate computing programs nationally. At the graduate level Khoury is now scaling its successful Align MS in CS program for people who did not study CS as an undergraduate. This includes building a consortium of universities in the U.S. to offer similar programs.

Khoury College has grown rapidly over the last five years in response to increased student demand at the BS, MS and PhD level and projects a continuation of this growth for the next few years. We invite you to join a fast-moving, ambitious college with an underlying mission that is best captured by the phrase “CS for Everyone.”
Northeastern University is home to 27,000 full- and part-time students and to the nation’s premier cooperative education program. The past decade has witnessed a dramatic increase in Northeastern’s international reputation for research and innovative educational programs. A heightened focus on interdisciplinary research and scholarship is driving a faculty hiring initiative at Northeastern, advancing its position amongst the nation’s top research universities. Khoury College has been a major participant in this initiative and will continue the efforts this year, with additional interdisciplinary searches ongoing in related areas.

Northeastern University has seven campuses located in Boston (the primary home of our tenure/tenure-track faculty), Seattle, San Francisco, San Jose, Charlotte, London, Vancouver and Toronto. Khoury offers the MS in CS and the Align MS in CS at 5 of the 7 campuses. For more information about the College, please visit https://www.khoury.northeastern.edu.

Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2021. However, applications will be accepted until the search is completed.

Additional information and instructions for submitting application materials may be found at the following website: Careers at Northeastern, https://careersmanager. pageuppeople.com/879/ci/en-us/job/507937/ assistantassociatefull-professor

Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion.

All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, religion, color, national origin, age, sex, sexual orientation, disability status, or any other characteristic protected by applicable law.

To learn more about Northeastern University’s commitment and support of diversity and inclusion, please see www.northeastern.edu/diversity.

Northern Arizona University

605851 – Assistant Professor of Computer Science, Gaming, and Graphics

The School of Informatics Computing and Cyber Systems at Northern Arizona University seeks a Tenure Track faculty member in the discipline of Computer Science, with specialization in Game Development, Computer Graphics, Visualization, or related areas. This faculty member will teach undergraduate and graduate courses in core computer science and software engineering topics along with special topics in their area of research expertise, will mentor MS and PhD students, and should demonstrate a commitment to Diversity, Equity, Inclusion and Justice (DEIJ) through their research and scholastic activities.

This faculty member will have the opportunity to closely collaborate within SICCS with world-class researchers studying informatics, data science, ecology, health, cybersecurity, autonomous vehicles, remote sensing, power systems, networks, and sensors, among other topics. Many of the funded research projects within SICCS and at NAU will benefit directly from expertise in visualization, communication of science, and interactive user interfaces. This faculty member will help lead the expansion of game and visualization curriculum within the existing software engineering programs. The State of Arizona is a world-class hub for the software industry, with many opportunities for industry engagement in the region.

Minimum Qualifications:

Minimum qualifications for the rank of tenure track Assistant Professor is an earned doctoral (Ph.D. or Sc.D.) degree in Computer Science or a closely related area before the appointment.

Application Deadline:

This vacancy will be open until filled or closed. Review of applications will begin on January 5, 2022.

Annual Salary:

Commensurate with experience

Additional Information:

Please see nau.jobs for full job descriptions and details on how to apply online!

NAU is an Equal Opportunity/ Affirmative Action Institution. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.
Northern Arizona University

605850 – Assistant Professor of Computer Science and Artificial Intelligence

The School of Informatics Computing and Cyber Systems at Northern Arizona University seeks a Tenure Track faculty member in the discipline of Computer Science with specialization in Artificial Intelligence or related areas. This faculty member will teach undergraduate and graduate courses in core computer science topics along with special topics in their area of research expertise. will mentor MS and PhD students, and should demonstrate a commitment to Diversity, Equity, Inclusion and Justice (DEIJ) through their research and scholastic activities. This faculty member will have the opportunity to closely collaborate within SICCS with world-class researchers studying informatics, data science, ecology, health, cybersecurity, autonomous vehicles, remote sensing, power systems, networks, and sensors, among other topics.

Minimum Qualifications:

Minimum qualifications for the rank of tenure track Assistant Professor include an earned doctoral (Ph.D. or Sc.D.) degree in Computer Science or a closely related area before appointment.

Application Deadline:

This vacancy will be open until filled or closed. Review of applications will begin on January 7, 2022.

Annual Salary:

Commensurate with experience

Additional Information:

Please see nau.jobs for full job descriptions and details on how to apply online!

NAU is an Equal Opportunity/ Affirmative Action Institution. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

Northern Arizona University

605851 – Assistant Professor of Computer Engineering and Microelectronics

The School of Informatics Computing and Cyber Systems at Northern Arizona University seeks a Tenure Track faculty member in the disciplines of Computer Engineering and Microelectronics. This faculty member will teach undergraduate and graduate courses in core Electrical and Computer Engineering topics along with special topics in their area of research expertise. will mentor MS and PhD students, and should demonstrate a commitment to Diversity, Equity, Inclusion and Justice (DEIJ) through their research and scholastic activities. We are especially interested in applicants with experience/expertise in process development, process integration, device & reliability engineering, electrical characterization, TCAD, CAD, compact modeling, design technology, and applications to computer organization/architecture, AI/ML, and data science. This faculty member will have the opportunity to closely collaborate within SICCS with world-class researchers in cybersecurity, computer architecture and organization, control and autonomous systems, remote sensing, power systems, networks, sensors, data science and informatics, ecology, and health, among other topics. The State of Arizona is a world-class hub for the semiconductor manufacturing industry, with many opportunities for industry engagement in the region.

Minimum Qualifications:

Minimum qualifications for the rank of tenure track Assistant Professor include an earned doctoral (Ph.D. or Sc.D.) degree in Electrical Engineering, Computer Engineering, or a closely related area before the Fall 2022 semester begins.

Application Deadline:

This vacancy will be open until filled or closed. Review of applications will begin on January 6, 2022.

Annual Salary:

Commensurate with experience

Additional Information:

Please see nau.jobs for full job descriptions and details on how to apply online!

NAU is an Equal Opportunity/ Affirmative Action Institution. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

Northwestern University

Researcher Center for Deep Learning (CDL) seeks an exceptional researcher in the area of deep learning and data
science. CDL is composed of faculty members and PhD candidates from a variety of departments working on deep learning, data science, and the internet of things. The research is primarily focused on designing new architectures and models, novel optimization algorithms, and implementations. Prior knowledge of kubernetes, python and noSql gives an advantage. We seek applicants with knowledge and expertise in these areas, and interest in IoT and data streaming who are eager to conduct independent research and also to lead projects involving PhD candidates.

Examples of current projects can be found at http://deeplearning.northwestern.edu

Application material
Please send the following material to email cdl@northwestern.edu:
CV, a statement outlining your expertise, why you want to join, and your career ambitions.
A successful candidate should have a graduate degree (MS or PhD); exceptional candidates with BS and prior relevant experience would also be considered.

Responsibilities
• Conduct independent research
• Lead deep learning and data science projects with PhD students
• Interact with sponsoring companies regarding select projects

Northwestern University, Department of Statistics invites applications for an open-rank tenure-track or tenured faculty position with expertise in data science, broadly defined, and with experience/interest in big data analysis. Ph.D. in statistics/biostatistics/computer science or related fields is required. Research experience and expertise in machine learning and/or data science is desirable. Senior applicants will have demonstrated excellence in research in data science, teaching, and service.

Review of applications will begin on Dec 1, 2021 and continue until the position is filled. Appointment begins September 2022.

More information and application link at https://statistics.northwestern.edu/about/faculty-search-.html. Questions to Kisa Kowal k-kowal@northwestern.edu.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Northwestern University continues its ambitious initiative to grow and transform Computer Science (CS) [http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html]. The Computer Science department is in the midst of adding twenty new tenure-track faculty in core Computer Science and collaboratively with other disciplines (CS + X), as well as a number of non-tenure-track teaching faculty. We seek outstanding candidates who are excited by the opportunity to help build the future of CS at a world-class university. Northwestern is a leading R1 university comprising a number of highly ranking schools that provide extraordinary opportunities for collaboration across a wide range of disciplines. Located in beautiful Evanston, on the shores of lake Michigan, just outside the diverse and culturally vibrant city of Chicago. Northwestern faculty have ample opportunities to connect with the city’s growing technology sector.

We invite candidates to apply for new tenure-track positions as Assistant, Associate and Full Professor of Computer Science. We are interested in applications from outstanding candidates in all areas of Computer Science. The department is especially interested in applicants with an exceptional research track record in the following areas: database systems, complexity theory, quantum computing (particularly quantum computer systems and quantum algorithms), parallel systems (particularly as it intersects with architecture, programming languages, compilers, operating systems, and high performance computing), global-
scale networked systems as critical infrastructure, artificial intelligence (all areas, but especially cognitive systems, multimodal dialogue, automatic knowledge base construction, and cognitive vision/audio), high-level computer vision and image understanding (particularly as it applies to image segmentation, object detection/classification, autonomous navigation, and motion tracking), robotics (all areas, but especially bio-integrated and bio-inspired robotics, including with humans), and machine learning. Machine learning (ML) is a cross-cutting area of interest. Researchers that advance ML by grounding their work in problems that relate to any of the domains mentioned in this call are particularly encouraged to apply.

We also encourage applicants to CS + X tenure-track faculty positions jointly with other schools or departments at Northwestern, for individuals and teams exploring new research boundaries in computation. In the last few years, we have hired jointly with Preventive Medicine, Statistics, Learning Sciences, Physical Medicine and Rehabilitation, Mechanical Engineering, Economics, Communication Studies, Journalism, and the Segal Design Institute, and we remain committed to interdisciplinary research leveraging Northwestern’s unique strengths and world-class schools in many areas. Priority in all areas will be given to applicants with path-breaking research interests that have the potential to transform both Computer Science and other disciplines.

As part of transforming and scaling Computer Science education, we seek outstanding candidates for non-tenure-track teaching faculty in all areas of Computer Science. As the demand for CS education has grown well beyond the boundaries of traditional CS majors, Northwestern CS has continued to invest in new courses, non-major pathways, and new joint degrees to broaden the reach and quality of computing education. The growth of the entire Computer Science education portfolio has been remarkable and we seek motivated, highly-qualified teaching-track faculty to help us continue our successful expansion.

The successful applicant will be an extraordinary teacher and mentor, combining strong and deep knowledge of Computer Science with a passion to convey that knowledge to a broad variety of Northwestern students. They will go well beyond delivering entry-level service courses to create a learning environment that motivates students to enroll, to work, to learn, and to find new applications of Computer Science that shape their careers and the world beyond. This is a multi-year, renewable position.

To be eligible for the Faculty of Instruction positions, applicants should have earned a Ph.D. in Computer Science or a closely related field. Candidates will be considered at the Assistant, Associate, or Full level depending on experience. For the Lecturer position, a Masters in Computer Science and a strong, demonstrable track record of Computer Science teaching is required. Faculty of Instruction typically teach two courses per term and are involved in advising students and in departmental curriculum development.

Applicants to tenure-track faculty positions should submit (1) a cover letter indicating the rank applied for, (2) a curriculum vitae, (3) three to five letters of reference, (4) statements of research and teaching interests, (5) an optional diversity statement that addresses how the candidate contributes to diverse excellence, and (6) two representative publications.

Applicants to teaching faculty positions should submit (1) a cover letter indicating the rank applied for, (2) a curriculum vitae, (3) three to five letters of reference which can speak to the applicant’s teaching abilities, (4) statement of teaching philosophy, (5) an optional diversity statement that addresses how the candidate contributes to diverse excellence, (6) recent teaching evaluations (if available), and (7) a teaching demonstration video (if available).

Application instructions can be found at https://www.mccormick.northwestern.edu/computer-science/resources/careers-computer-science.html. We encourage candidates to send applications as soon as possible. Applications received by December 10, 2021 will be given full consideration. However, the positions will remain open until filled. Applications received after that date will be considered on a rolling basis. For general questions about the search or application assistance post submission, contact faculty-search@cs.northwestern.edu.

Northwestern University is an equal opportunity, affirmative action employer and does not discriminate against qualified individuals on the basis of race, color,
Oakland University

Computer Science – AI Open Rank

Job Description Summary:
The School of Engineering and Computer Science (SECS) invites applications for a faculty position at any rank to begin as early as January 01, 2022. We are primarily seeking a visionary and exceptionally collaborative leader to serve as the inaugural director of the SECS Interdisciplinary Artificial Intelligence Initiative. The candidate should have strong scholarly credentials, leadership skills, and experience to connect investigators from diverse backgrounds (e.g., engineering, healthcare, education) in pursuing novel research directions. The successful candidate will have a Ph.D. in Computer Science, Computer Engineering, or closely related fields. Candidates should have an appreciation of and commitment to the value of diversity and working with a diverse faculty and student body. Preferred qualifications include:

- A proven track record of developing a vibrant and high impact externally funded research program.
- Developed a national and international reputation for technical leadership in the broad area of AI, including, but not limited to Artificial Intelligence, General Machine Learning, Data Science, Augmented Perception, Autonomous Systems, Human-Computer Interaction, Natural Language Processing, Deep Learning, Trustworthy Machine Learning, or related applied areas such as AI in Biomedical Engineering, AI in Cybersecurity, Computer Vision, AI in Software Engineering, AI in Robotics or Mechatronics, or AI in Next Generation Computing and Communication.
- Evidence of an ability to work effectively with a diverse student and faculty population.
- A strong track record in establishing educational programs related to AI and strong experience in building partnerships with industry and beyond.
- Experience in mentoring junior faculty.
- A track record of excelling in classroom teaching at the undergraduate and graduate levels.
- Experience supervising undergraduate and graduate students in research endeavors.

Minimum Qualifications:
- A Ph.D. or equivalent degree in Computer science, Electrical Engineering, Computer Engineering, or related disciplines. Of special interest are applicants who specialize in interdisciplinary AI research, particularly those with demonstrated evidence of collaborations with non-computer science disciplines.
- Associate Professor candidates must also meet the university standards for appointment to the rank including significant experience/accomplishments in the candidate’s area of expertise.
- Professor candidates are required to have national distinction, international recognition, and a substantial scholarly record in their area of expertise in addition to the aforementioned requirements.

Special Instructions to Applicants:
The SECS values candidates engaged in interdisciplinary research with a focus on AI. Candidates are encouraged to apply early, as applications will be evaluated starting October 21, 2021, and new applications will be considered, until this position is filled. The position start date will be as early as January 01, 2022. However, the search will continue if a suitable candidate is not selected by the end of 2021. The candidate should upload their application at following link: https://jobs.oakland.edu/postings/22607

Oberlin College

Visiting Assistant Professor of Computer Science - (1 year position)

The Computer Science Department at Oberlin College invites applications for a one-year full-time non-continuing faculty position in the College of Arts and Sciences to begin Fall 2022.
Professional Opportunities

To be assured of consideration, submit a letter of application, a curriculum vitae, teaching and research statements, graduate academic transcripts, and at least three recent letters of reference, submitted on your behalf to https://jobs.oberlin.edu/postings/11344 by January 24, 2022.

Oberlin College

Visiting Assistant Professor of Computer Science - 2 year appt.

The Computer Science Department at Oberlin College invites applications for a two-year full-time non-continuing faculty position in the College of Arts and Sciences to begin Fall 2022.

To be assured of consideration, submit a letter of application, a curriculum vitae, teaching and research statements, graduate academic transcripts, and at least three recent letters of reference, submitted on your behalf to https://jobs.oberlin.edu/postings/11339 by January 24, 2022.

Oklahoma State University

Tenure-Track Assistant Professor Positions

The Oklahoma State University (OSU) Department of Computer Science is seeking applications for two tenure-track Assistant Professor positions from candidates with research experience in the areas of Cyber Security, Programming Languages, and Algorithms. An earned Ph.D. in Computer Science or a closely-related field from an accredited institution is required at the time of appointment. The position is for the main OSU campus in Stillwater; however, duties may be assigned in either the OSU-Stillwater campus, the OSU satellite campus in Tulsa, or both.

The OSU Department of Computer Science (https://computerscience.okstate.edu) is strongly committed to excellence in research, teaching, and outreach. The Department offers the B.S., M.S., and Ph.D. degrees in Computer Science and has a Graduate Certificate Program in Big Data Analytics. The Department also offers courses to students at remote sites using interactive video and the Internet. There are currently about 336 undergraduate students and about 117 graduate students enrolled in the Department.

Candidates will be evaluated on their demonstrated research record, potential to secure external funding, and continued excellence in research publications. Faculty are expected to pursue research collaborations with other faculty, industry, and research institutions.

All faculty members are also expected to support the department’s efforts in developing and teaching courses for the online Computer Science BS degree program.

To apply, visit http://apply.interfolio.com/94535

For full consideration, applications should be received by February 04, 2022; however, applications will be considered until the position has been filled. The filling of these positions is contingent upon the availability of funding.

A successful faculty candidate should be willing to teach from a multicultural perspective and should demonstrate a commitment to mentoring underrepresented students. Recent departmental diversity statistics for underrepresented undergraduate students are 15% female, 6% African American, 4% Native American, and 4% Hispanic.

Oklahoma State University, as an equal opportunity employer, complies with all applicable federal and state laws regarding non-discrimination and affirmative action.

OSU-Stillwater is a tobacco-free campus.

Oxford University

Computer Science Faculty Hiring

As part of the University of Oxford’s expansion for the Department of Computer Science, we are delighted to announce 6 faculty positions for recruitment in the 2021-2022 academic year (to start in autumn of 2022).

To apply, see http://www.cs.ox.ac.uk/aboutus/vacancies/vacancy-faculty-hiring.html

Each of the following 5 positions is offered as an Associate Professorship or as a Professorship, and is a joint appointment between the Department of Computer Science and an Oxford College.
We are advertising across a wide area of area in computer science (with slightly different closing dates for the different positions, all at 12 noon, GMT). Details for each position will be available at the above URL as they are advertised.

- **Algorithms and Complexity Theory**
  Closing date: 28 Jan 2022.

- **Automated Verification**
  Closing date: 21 Jan 2022.

- **Cyber Physical Systems**
  Closing date: 3 Feb 2022.

- **Database Systems**
  Closing date: 10 Jan 2022

- **Systems**
  Closing date: 4 Feb 2022.

In addition, we will be appointing to the Strachey chair in Computer Science. This is the oldest chair in the Department of Computer Science, and is a statutory professorship (the most senior academic grade at the University of Oxford). This will be advertised separately, in due course.

### Assistant Professor of Cybersecurity Analytics and Operations

Penn State Beaver invites applications for the position of Assistant Professor of Cybersecurity Analytics and Operations, tenure track, 36 weeks, to begin August 2022, or as negotiated.

**Responsibilities:** Teach each semester using traditional, hybrid, video conferencing, and online delivery methods. Teaching assignments include lower division courses in cybersecurity analytics and operations as well as upper division courses in (but not limited to):

- Intrusion detection
- Firewall configuration and monitoring
- Big data analytics in security
- Statistics for security and risk analysis
- Computer and cyber forensics
- Computer and cyber risk management
- Malware analytics, and
- Information security architecture

Position is part of a 7 campus Penn State consortium that delivers the baccalaureate program in Cybersecurity Analytics and Operations. Successful candidate will work collaboratively with faculty at other campuses to deliver a portion of curriculum to multiple campuses using a variety of distance delivery methods.

Publish in high quality refereed journals and present at national/international conferences. Participate in professional development and in course, curriculum, and program development including leading assessment and program coordination at the campus level. Engage in diversity, equity and inclusion initiatives. Advise students and participate in campus, university, and community service activities.

**Qualifications:** Ph.D. in Cybersecurity Analytics and Operations or related field filed by July 1, 2022. (ABD considered). Background and expertise in one of the following areas is strongly preferred: cybersecurity engineering, computer science, computer engineering, information assurance, information technology.

For more information about the Beaver campus, visit [http://beaver.psu.edu/](http://beaver.psu.edu/).

Inquiries about the position should be addressed to Professor Carey McDougall, Director of Academic Affairs, cem33@psu.edu.

Applicants required to submit as one PDF document a cover letter, curriculum vitae, teaching philosophy, research statement, recent student teaching evaluations, the contact information for 3 or more references, and a diversity statement.

**Closing Date:** Application review begins immediately, continues until a suitable candidate is found.

To Apply, visit: [https://apptrkr.com/2509624](https://apptrkr.com/2509624)

**CAMPUS SECURITY CRIME STATISTICS:** For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to [http://www.police.psu.edu/pseny](http://www.police.psu.edu/pseny), which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

### Lecturer (master level)/Assistant Teaching Professor (doctoral level) of Cyber Analytics and Operations

Penn State Lehigh Valley seeks Lecturer (masters) or Assistant Teaching Professor (doctoral) of Cyber Analytics and Operations to start Spring 2022. This is a fixed-term appointment funded for two years from date of hire with excellent possibility of re-funding.

Teach each semester for our Bachelor’s degree programs in Cyber Analytics and Security and Information Sciences.

Candidates must be able to teach courses in, but not limited to:

- Blockchain security, cryptocurrencies, applied crypto; cybercrime, cyber law, dark web
- Privacy by design, privacy preserving technologies, formal/statistical privacy, differential privacy
- Human factors of security and privacy; politics/economics of security and privacy, social/policy perspectives on security and privacy
- PS/IoT security, hardware security
- Security of autonomous systems
- AI in security and security in AI

Rank at the Lecturer level (for M.S. or M.B.A.); will consider hiring at Assistant Teaching Professor level commensurate with doctorate and experience.

Applicants must submit a cover letter, curriculum vitae, and statement of teaching philosophy. Finalists will be asked to submit a list of references.

Application review begins immediately and continues until a suitable candidate is found. All application to be submitted online at:

[https://apptrkr.com/2641796](https://apptrkr.com/2641796)

For more information about the campus, visit [http://lehighvalley.psu.edu/](http://lehighvalley.psu.edu/).

**CAMPUS SECURITY CRIME STATISTICS:** For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to [http://www.police.psu.edu/cdery](http://www.police.psu.edu/cdery), which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.
Biomedical Engineering and Engineering Science and Mechanics Faculty for Data Sciences/Machine Learning Applied to Biological/Health Sciences

The Department of Biomedical Engineering (BME) and Engineering Science and Mechanics (ESM) seek candidates for a tenure-tenured faculty position with expertise at the forefront of development of Data Sciences or Machine Learning with particular emphasis on applications to Biological or Health Sciences.

This position is a co-hire between BME (lisme.psu.edu) and ESM (esm.psu.edu). Both departments foster a highly interdisciplinary environment, promoting collaborations across the engineering disciplines, materials sciences, mechanics, chemistry, physics, mathematics, and biological sciences, and both combine traditional engineering principles with medicine and technology for the betterment of human health and society. This position is at the Assistant Professor level, but higher ranks will be considered.

Research Expectations: The successful candidate will have demonstrated expertise developing modern machine learning and data sciences methods and successfully applying them to substantially advance biological or health sciences. Research synergy with faculty in both departments, will be viewed positively, especially in neural engineering and neural data sciences, cardiovascular and/or cancer related research, biomechanics, biometrics and mechanobiology, as well as personalized health and wearable technologies. Example topics of study include but are not limited to: development of novel modeling and data analysis methods for large-scale multimodal neuro-electrophysiological data; advanced acquisition and processing in neural prosthetics; modeling of brain networks; identifying and optimizing treatments for neural, cardiovascular or cancer related diseases including pharmaceutical interventions, understanding and validating complex pathological and pathological phenotypic, and precision personalized medicine using electronic health records.

Teaching Expectations: The successful candidate will be expected to support the educational efforts in ESM and BME. In develop courses focused on educational endeavor emphasizing teaching in data sciences in our engineering education and enhancing data sciences practice in our research.

Diversity, Equity and Inclusion (DEI) Expectations: Inclusion, equity, and diversity are central to Penn State’s obligation and commitment as a public institution of higher education to provide effective teaching and training in our communities. The successful candidate will have demonstrated a commitment to enhancing diversity and will be expected to support the efforts in ESM and BME in advancing the University’s DEI efforts (https://strategicplan.psu.edu/plan/Foundations/inclusion-equity-diversity/).

Institutes and Centers: Cross-disciplinary and cross departmental collaborations are encouraged at PSU and are facilitated through a range of institutes and research centers. This position is envisioned to leverage particularly the Huck Institutes of the Life Sciences (huck.psu.edu), the Institute for Computational and Data Sciences (ics.psu.edu), Materials Research Institute (MRI.psu.edu), College of Medicine, and the Center for Neural Engineering (cne.psu.edu).

Penn State College of Engineering: Penn State’s College of Engineering is committed to creating a diverse and welcoming community that is pursuing engineering education, research, and community engagement with the power to inspire change and impact tomorrow. The College is also committed to work-life balance, a strong appreciation for diversity and inclusion, and family-friendly programs for faculty. We seek faculty candidates who share our vision and want to make an impact with their careers.

Qualifications: Required qualifications include a Ph.D. in an engineering science or biomedical engineering related discipline by the hire date, and a strong track record of accomplishments in research and teaching commensurate with rank of the candidate defined by PSU policy 42C1 (https://policy.psu.edu/policy/42C1). In particular, applicants at Associate Professor should have well established teaching and independent research lines and international recognition. Applicants at the full Professor level should have a more substantial advanced research portfolio and be expected to take leadership roles in research at the university. Nominations and applications will be screened immediately and considered until the position is filled.

Application Process: Applicants should submit, in one PDF file: (1) a cover letter summarizing impact in advancing data science/machine learning methods, and impact in a biological/health sciences, as well as synergies within the ESM and/or BME departments and ways the candidate would leverage/contribute within ICDSS, (2) curriculum vitae, (3) statements of demonstrated contributions and plans for (a) research, (b) teaching, and (c) diversity, equity, and inclusion, (4) three relevant publications, and (5) names and addresses of four references; to https://apptrkr.com/2574495. Application review will begin immediately and will continue until the position is filled. The expected start date is August 15, 2022.

Inquiries: Inquiries can be directed to either of the search co-chairs Dr. Bruce Gluckman or Dr. Nanyn Zhang, ESM_BME_DataSciences@psu.edu. Apply online at https://apptrkr.com/2574495.

CAMPUS SECURITY CRIME STATISTICS: For more about Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to http://www.police.psu.edu/crime, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.
**Professional Opportunities**

**Tenure-Track (open ranked) Faculty Position focused on Accessibility**

The College of Information Sciences and Technology (IST) (http://ist.psu.edu/) and the College of Health and Human Development (HHHD) (https://hhhd.psu.edu/) at The Pennsylvania State University invites applications for a tenure-track faculty position with a focus on accessibility. This is an open-rank search, with the possibility of multiple hires. The expectation is that the successful candidate will hold a joint appointment, with the College of Information Sciences and Technology serving as the tenure home. We anticipate a start date of July 2022.

We are especially interested in candidates with expertise in accessibility-related topics such as: developing novel design and evaluation methodology for access technologies; understanding the needs of individuals with disabilities (e.g., sensory, communicative, physical); promoting accessibility in healthy aging; employing theoretical frameworks in assistive technology development; exploring brain-computer interface; leveraging artificial intelligence for accessibility; and identifying and addressing accessibility needs in underserved communities. The candidate will have opportunities to work across both colleges as well as the Social Science Research Institute, the Hershey Medical Center, and Disability Access Initiatives. Candidates should be prepared to teach undergraduate and graduate courses including residential, online, or hybrid courses. As appropriate, the successful candidate(s) will have the opportunity to teach courses in both IST and HHHD.

Applicants must upload with their application the following materials:

1. A cover letter detailing qualifications for the position.
2. A curriculum vitae.
3. Three- to five-page research statement outlining future research plans.
4. A one-page teaching statement.
5. A statement regarding engagement in or commitment to inclusion, equity, and diversity issues as they relate to broadening participation in the disciplines represented in the two colleges and align with their missions.

Applicants for the Assistant Professor position should arrange for at least three references to be sent via email to mailto:humanresourcesist.psu.edu. Applicants for the Associate or Full Professor position should upload contact information (name, affiliation, email address) for at least four references. Applicants for the Associate or Full Professor position will be notified before letters are solicited from their references.

Review of applications has started and will continue until positions are filled. Inquiries about the position may be directed to: mailto:humanresourcesist.psu.edu.

Competitive applicants for the position at the rank of Assistant Professor will possess a PhD in Information Sciences, Computer Science, Interaction Design, Industrial Design, Engineering, Cognitive and Behavioral Sciences, Health Sciences, or related fields before beginning employment at Penn State. Candidates seeking the rank of Associate Professor should have the same qualifications as the assistant professor, as well as, a strong track record of scholarly achievement, external funding, and demonstrated success in teaching and service.

Candidates for Full Professor should have the same qualifications as the associate professor, as well as, a track record of research publications, funding, teaching and service that distinguishes them, nationally or internationally, as leaders in the field of accessibility, broadly defined.

We are strongly committed to a diverse community and to providing a welcoming and inclusive environment for faculty, staff, and students of all races, genders, and backgrounds. The colleges are committed to making good faith efforts to recruit, hire, retain, and promote qualified individuals from underrepresented minority groups including women, persons of color, diverse gender identities, individuals with disabilities, and veterans. We invite applicants to address their engagement in or commitment to inclusion, equity, and diversity issues as they relate to broadening participation in the disciplines represented in the college as well as aligning with the mission of the College of IST in a separate statement.

Applications will be reviewed starting from December 15, 2021 and will continue until positions are filled. Inquiries about the position may be directed to: mailto:humanresourcesist.psu.edu.

**Tenured/Tenure-Line Faculty in Cybersecurity and Privacy**

The College of Information Sciences and Technology (IST) at the Pennsylvania State University, as part of a major multi-year faculty hiring initiative in cybersecurity and privacy, invites applications for multiple, open-rank, tenured/tenure-line faculty positions beginning in Fall 2022. We seek outstanding candidates with a strong track record of research to strengthen and complement our current research programs. We are interested broadly in all areas of cybersecurity and privacy, including, but not limited to:

- Privacy: privacy by design, privacy enhancing technologies, data privacy, etc.
- Human factors of cybersecurity and privacy, economics of cybersecurity
- Security of Artificial Intelligence

Successful candidates are expected to develop an internationally competitive, externally funded research program, and teach graduate and undergraduate courses.

Qualifications:

- Successful candidates for the rank of Assistant Professor position must have a Ph.D. or terminal degree in computer science, information science or a closely related field prior to beginning employment at Penn State and should demonstrate strong research potential and commitment to graduate and undergraduate education.
- Candidates for the rank of Associate Professor position must have the same qualifications as the Assistant Professor and a strong track record of research, publications, and funding.
- Candidates for the Full Professor position must have the same requirements of the Associate Professor and a track record of research, publications, and funding.

All candidates must pass a background check before beginning employment. The College of IST offers a highly collaborative interdisciplinary research environment with a strong, externally funded research program in cybersecurity and privacy. Additional opportunities for research collaboration are offered by other colleges at Penn State and by the Institute for Data and Computational Sciences, the Social Sciences Research Institute, and the Huck Institutes of the Life Sciences. The College has a strong Ph.D. program with over 130 Ph.D. students, and a rapidly growing Bachelor of Science major in Cybersecurity as well as a Master of Science in Cybersecurity.

The College of IST is strongly committed to a diverse community and to providing a welcoming and inclusive environment for faculty, staff, and students of all races, genders, and backgrounds. The College of IST is committed to making good faith efforts to recruit, hire, retain, and promote qualified individuals from underrepresented minority groups including women, persons of color, diverse gender identities, individuals with disabilities, and veterans. We invite applicants to address their engagement in or commitment to inclusion, equity, and diversity issues as they relate to broadening participation in the disciplines represented in the college as well as aligning with the mission of the College of IST in a separate statement.

Application Materials:

Applications should include the following materials with their application: (1) cover letter, (2) Curriculum Vitae, (3) 2-3 page research statement, (4) 1-2 page teaching statement, (5) contact information for 3-5 references, and (6) a statement regarding engagement in or commitment to inclusion, equity, and diversity issues as they relate to broadening participation in the disciplines represented in the college and align with the mission of the College.

Additionally:

- Applicants for the Assistant Professor position should provide contact information for at least three references to be sent via email to humanresourcesist.psu.edu.
- Applicants for the Associate or Full Professor position should provide contact information for at least four references. Applicants for the Associate or Full Professor position will be notified before letters are solicited from their references.

Applications will be reviewed starting from December 15, 2021 and will continue until filled. Inquiries about the position may be directed to: mailto:humanresourcesist.psu.edu.

The Pennsylvania State University is the land grant institution of Pennsylvania. University Park is the largest of Penn State's 24 campuses, with undergraduate enrollment of approximately 44,000 students and offering more than 150 programs of graduate study. The College of IST and HHHD have award-winning faculty and state-of-the-art facilities. Both faculty and students are dedicated to collaboration and applying knowledge to make a positive impact in the society. University Park is located in central Pennsylvania, ranked the 3rd safest metropolitan area in the United States by CQ Press, and the 8th best college town in the nation by Best College Reviews.

Applying online at https://apptrkr.com/2542772

**CAMPUS SECURITY CRIME STATISTICS:** For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to http://police.psu.edu/ergy, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Apply online at https://apptrkr.com/2542492

**CAMPUS SECURITY CRIME STATISTICS:** For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to http://police.psu.edu/ergy, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Apply online at https://apptrkr.com/2542492

For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to http://police.psu.edu/ergy, which will also provide you with detail on how to request a hard copy of the Annual Security Report.
The University of Pennsylvania's Department of Computer & Information Science is pleased to announce that the University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to sex, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6969 (Voice) or (215) 898-7803 (TDD). To apply, visit https://apptrkr.com/2650405.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to sex, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6969 (Voice) or (215) 898-7803 (TDD). To apply, visit https://apptrkr.com/2650227.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to sex, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6969 (Voice) or (215) 898-7803 (TDD). To apply, visit https://apptrkr.com/2649820.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to sex, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6969 (Voice) or (215) 898-7803 (TDD). To apply, visit https://apptrkr.com/2649820.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to sex, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6969 (Voice) or (215) 898-7803 (TDD). To apply, visit https://apptrkr.com/2650405.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to sex, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6969 (Voice) or (215) 898-7803 (TDD). To apply, visit https://apptrkr.com/2650227.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to sex, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6969 (Voice) or (215) 898-7803 (TDD). To apply, visit https://apptrkr.com/2650227.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to sex, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6969 (Voice) or (215) 898-7803 (TDD). To apply, visit https://apptrkr.com/2650227.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to sex, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6969 (Voice) or (215) 898-7803 (TDD). To apply, visit https://apptrkr.com/2650227.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to sex, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6969 (Voice) or (215) 898-7803 (TDD). To apply, visit https://apptrkr.com/2650227.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to sex, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6969 (Voice) or (215) 898-7803 (TDD). To apply, visit https://apptrkr.com/2650227.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to sex, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6969 (Voice) or (215) 898-7803 (TDD). To apply, visit https://apptrkr.com/2650227.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to sex, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6969 (Voice) or (215) 898-7803 (TDD). To apply, visit https://apptrkr.com/2650227.
Multiple Tenure Track Positions in Bioinformatics and Computer Science in the Department of Computer Science and Engineering, Penn State University

The Department of Computer Science and Engineering (CSE) at The Pennsylvania State University, University Park invites applications for multiple tenure-track positions at the Assistant, Associate and/or Full Professor levels. We are seeking candidates whose primary research is in the intersection of CSE and life sciences. Some of the potential areas of focus within CSE include algorithm design and analysis, security, artificial intelligence, machine learning, natural language processing, high-performance computing, or broader computational science and data science. The successful candidate will be expected to establish a nationally/internationally recognized record of scholarship and research in the application of computer science to address pressing issues in the life sciences, including in areas such as infectious diseases, genomics, proteomics, metabolomics, microbiomes, structural biology, precision medicine, drug and vaccine development, biomedical imaging, plant sciences and others.

In addition to submitting the Penn State application at https://tinyurl.com/476y64n, an application must be submitted at https://academicjobsonline.org/ajo/jobs/20249. In order to be considered, candidates must apply on both sites. Applicants must hold a Ph.D. in Computer Science or closely related field by the start date and should be committed to excellence in both research and teaching. Applicants should submit a detailed curriculum vita listing all publications, research and teaching statements, and the names and email addresses of four references. Applications will be reviewed starting from December 1, 2021 and continue until the positions are filled.

The CSE department has hired 20 faculty in the last four years (13 in the last two years) and aims to continue its rapid growth across areas over the coming years. CSE welcomes diversity among its workforce and works within the Penn State community to address dual career considerations, as needed. Penn State is one of the worldwide leaders in Bioinformatics, currently ranked 7th in the world in Computational Biology and Bioinformatics by csrankings.org. The applicant will have a tenure home in CSE and choose to be affiliated with one or more of the centers for excellence or institutes in the Huck Institutes of the Life Sciences (http://www.huck.psu.edu). CSE and the Huck Institutes provide a rich environment in which faculty, research professors, postdocs and graduate/undergraduate students regularly interact and conduct collaborative studies.

To Apply, visit: https://apptrkr.com/2588737

CAMPUS SECURITY CRIME STATISTICS: For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to http://www.police.psu.edu/clery/, which will also provide you with detail on how to request a hard copy of the Annual Security Report. Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Piedmont University

Assistant/Associate Professor, Computer Science

Piedmont University invites applications for an Assistant/Associate Professor beginning August 1, 2022.

Full description, qualifications, and application available at https://www.piedmont.edu/resources/employment

Portland State University

Assistant Professor

The Department of Computer Science at Portland State University invites applications for multiple positions for Assistant Professor in Computer Science. The expected start date for these positions is September 2022, but earlier or later dates can be negotiated. One position will be part of a cluster hire, jointly with the Fariborz Maseeh Department of Mathematics & Statistics, on Computational Science for a Sustainable Future.

We are particularly interested in candidates with backgrounds in one or more of the following: in (a) theoretical computer science, including algorithms, quantum computing, or related areas; (b) database systems, data science, or data visualization; and/or (c) computational science, including high performance computing, parallel numerical and discrete algorithms and the applications thereof, and/or machine learning. However, exceptional candidates in other areas will also be considered. The computational science position is part of a four-person cluster hire in Computational Science for a Sustainable Future. Three of these positions will be housed in the Fariborz Maseeh Department of Mathematics & Statistics, and one in the Department of Computer Science.

The Department of Computer Science (https://www.pdx.edu/computer-science/) currently has 22 tenure-track faculty members, including 5 NSF CAREER Award winners and an ACM Fellow. The department offers an ABET-accredited B.S. degree, both a thesis and a non-thesis M.S., and a Ph.D. in Computer Science. Current areas of faculty research include: theory, quantum computing, data science, machine learning and artificial intelligence, networking and systems, privacy and security, programming languages and formal methods, software engineering, visualization, and computer science education.

Portland State University is a public university located in the heart of one of
the most progressive and vibrant cities in the U.S. The University is known nationally for its innovation, community engagement and sustainability initiatives. Its urban setting and its unique relationship to city and regional agencies provides a living laboratory for urban research and industry and government collaboration. The Portland area is home to numerous software and hardware companies that collectively employ more than 40,000 people in high-tech. Industry leaders such as Intel, Google, Amazon, Synopsis, Oracle, Apple, Nvidia, and eBay have significant presence in Portland.

QUALIFICATIONS
Applicants are expected to hold or be near completion of a Ph.D. degree in Computer Science or another relevant field. Non-Ph.D. applicants will be required to have completed the Ph.D. by their start date.

JOB DUTIES SPECIFICATIONS
The successful applicant will maintain scholarly and funded research activities; teach undergraduate and graduate classes; advise students; and provide service to the university, professional communities, and to the public.

TO APPLY
Please visit https://jobs.hrc.pdx.edu/postings/35879 for detailed information and instructions on applying.

Applicants must provide:
1. a cover letter addressing how the applicant fits into the areas identified in the position description and how they will contribute to the research portfolio and/or the strategic vision of the department;
2. a curriculum vitae;
3. a statement of teaching philosophy;
4. a statement of research interests;
5. a statement of philosophy and experience related to diversity, inclusion, and equity; and
6. contact information for three professional references.

For inquiries about these positions, please contact csesearch@pdx.edu. Review of applications will begin November 1, 2021 and will continue until the positions are filled.

Princeton University
Assistant Professor
The Department of Electrical and Computer Engineering seeks applications for a tenure-track assistant professor faculty position. Candidates from all areas in electrical engineering are encouraged to apply, including applied physics and quantum information, robotics and cyberphysical systems, computer architecture, security, data and information science, integrated circuits and systems, materials and devices, and photonics, with applied physics and quantum information, robotics and cyberphysical systems, and computer systems and architecture being areas of particular interest. Candidates should have a commitment to teaching and a demonstrated ability to pursue a high impact research program. An appointment may be made jointly with another department or program.

A start date of September 1, 2022 is preferred.

The department is committed to fostering an academic environment that acknowledges and encourages diversity and differences. The successful candidate will show/demonstrate the potential to pursue academic excellence in diverse, multicultural, and inclusive settings.

Applicant review will begin in November.

For full consideration, please submit applications no later than December 31, 2021, using the following site: https://www.princeton.edu/acad-positions/position/23123. Applications require: a cover letter, complete curriculum vitae, descriptions of research and teaching interests, and the contact information for four references.

The selected candidate will be required to successfully complete a background check.

Princeton University
Full, Associate, or Assistant Professor in Interdisciplinary Data Science
As part of a major new initiative in interdisciplinary data science, Princeton University is undertaking a search for faculty members at all academic ranks across all areas of science, engineering, social science, and humanities. This initiative will involve multiple faculty hires over the next several years. We are particularly interested in applicants who advance discovery in their fields of scholarship using techniques from machine learning and statistics. Applicants may also make research advances in the machine learning and statistical methods themselves, as necessary for their application domains.

These faculty hires will contribute to the momentum already building across...
Princeton University in interdisciplinary data science. For associate and full professor candidates, we are looking for research leaders who cross boundaries in applying data-science methods. For assistant professor candidates, we are looking for rising stars who are conducting exciting research that applies data-science methods in their chosen field(s). Applicants must demonstrate superior research and scholarship potential, as well as teaching ability. Faculty appointments resulting from this search may be made with a range of different departments, centers, or institutes at Princeton University.

PhD expected. In addition, applicants must have a strong record of research productivity, demonstrate the ability to develop a rigorous research program, and be committed to teaching at both the undergraduate and graduate levels. The university is committed to fostering a diverse and inclusive academic community with a culturally diverse faculty. We are particularly interested in receiving applications from members of groups that have been historically underrepresented in their chosen fields.

Applications must be submitted online at https://www.princeton.edu/academic-positions/position/23141 and should include a cover letter, curriculum vitae, a research statement, and a teaching statement, as well as contact information for at least three references.

Review of applications will begin by December 1, 2021, and applications will be considered throughout the academic year.

**Purdue University**

**Assistant/Associate Professor of Practice Positions in Computer Science**

**Job Summary**

The Department of Computer Science in the College of Science at Purdue University West Lafayette campus solicits applications for two Professor of Practice positions at the Assistant or Associate Professor level. Professors of Practice participate in departmental, college, and university-level activities and have professional development opportunities. The positions are non-tenure track faculty positions.

**Qualifications**

Applicants must hold a PhD in computer science or a related field, or hold an MS in computer science combined with significant industry experience. Applicants should be committed to excellence in teaching and have the ability to teach a range of courses in the undergraduate curriculum. This includes traditional instruction (lecture courses, lab courses), development and delivery of online courses, participation in curriculum and course development, and interaction with students and student teams. Instructional areas of particular interest are first and second programming courses for majors, mathematical foundations of computer science, and systems programming.

**The Department and College**

The Department of Computer Science offers a stimulating academic environment with strong instructional and IT staff support for its growing team of teaching faculty. The department currently enrolls over 1800 CS majors and 350 Data Science majors. Its graduate program includes 225 MS and 350 PhD students. For more information, see https://www.cs.purdue.edu.

Computer Science is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 6,000 students. The College is pursuing significant new initiatives that complement campus-wide plans, including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences. Purdue itself is one of the nation’s leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects.

**To Apply**

Submit your application to this site. Application materials requested include a curriculum vitae, a teaching statement, and an optional research statement. Purdue University’s Department of Computer Science is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Candidates should address at least one of these areas in a separate Diversity and
Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Purdue University
Assistant/Associate Faculty Position

The Elmore Family School of Electrical and Computer Engineering at Purdue University invites applications for a tenure track Assistant/Associate Professor position. Purdue University seeks to attract exceptional candidates with expertise in new-era cross-layer microelectronics, including materials, devices, integrated circuits, and systems. We are seeking applications from researchers who understand the need to perform scientific work across more than just one of the above fields to realize the next generation of microelectronics. The scope includes hardware solutions that involve heterogeneous integration and advanced packaging concepts. Candidates with expertise in open-source design tools with security, robustness, open-source IP and packaging as foundational aspects of the design methodology are also encouraged to apply. Successful candidates must hold a Ph.D. degree in Electrical and Computer Engineering or a related discipline and demonstrate excellent potential to build an independent research program, as well as the potential to educate and mentor students. The successful candidate will conduct original research, advise graduate students, teach undergraduate and graduate level courses, and perform service at the School, College, and University levels.

The Elmore Family School of Electrical and Computer Engineering (ECE) is the largest academic unit at Purdue University and one of the largest in the nation with more than 110 faculty members (6 NAE members, more than 40 Fellows in multiple societies), 1,700 undergraduate students (sophomores-seniors) and 1,000 graduate students. ECE is home to the NSF Network for Computational Nanotechnology (NSF NCN, nanoHUB), the SRC/DARPA Center for Brain Inspired Computing Enabling (C-BRIC), and big SRC center-level efforts for Brain Inspired Computing Enabling (NCN, nanoHUB), the SRC/DARPA Center for Computational Nanotechnology (NSF NCN), the SRC/DARPA Center for Brain Inspired Computing Enabling (C-BRIC), and big SRC center-level efforts for Brain Inspired Computing Enabling (NCN, nanoHUB). ECE’s undergraduate, graduate and online programs rank 10th, 11th, and 1st in the nation, respectively.

The School is an integral part of Purdue’s College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation (2nd public college for engineering, 3rd for online graduate engineering programs, 4th for graduate programs, 6th in the world for utility patents, and 9th for undergraduate programs) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting initiatives, and facilities.

Applications must be submitted electronically via this site including (1) a complete curriculum vita, (2) teaching plan, (3) research plan, (4) a diversity and inclusion statement indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion, and (5) names and contact information for at least 4 references. The search committee may contact references to request letters. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu. Review of applications will begin on September 15th, 2021 and will continue until the position is filled. A background check is required for employment in this position.

Purdue is an ADVANCE institution http://www.purdue.edu/advance-purdue/. The Elmore Family School of Electrical and Computer Engineering is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

Purdue University is an EOE/AA employer. All individuals, including minorities, women,
Purdue University

Tenure Track or Tenured Associate or Professor of Biomedical Engineering/Healthcare Engineering

The Weldon School of Biomedical Engineering and the Regenstrief Center for Healthcare Engineering at Purdue University invites applications for a tenure-track or tenured faculty position at the Associate Professor or Professor level. Qualified candidates will also be considered for a named professorship. Purdue University seeks to attract exceptional candidates with interests and expertise in Healthcare Security. Specifically, we seek candidates who have expertise in data-enabled biomedical science and engineering and applications thereof to healthcare and wellness data security, privacy, and computational modeling and/or at the intersection of those fields with data science, artificial intelligence, and cybersecurity. The successful candidates must hold a Ph.D. degree in relevant biomedical engineering, electrical engineering, computer science, or related disciplines and demonstrate excellent potential to build an independent research program, as well as potential to educate and mentor students. The successful candidate will conduct original research, advise graduate students, teach undergraduate and graduate-level courses, and perform service at the Center, School, College, and University levels.

The Weldon School of Biomedical Engineering and the Regenstrief Center for Healthcare Engineering at Purdue University have experienced significant growth in recent years. The Weldon School of Biomedical Engineering is a leading biomedical engineering enterprise with recognized education and translational research programs, such as 25 companies started with $75 million venture capital raised, $17 million in total annual research awards, and active translational component of NIH-supported Indiana CTSI. Recently renewed with $10 million commitment from the Regenstrief Foundation, the Regenstrief Center for Healthcare Engineering conducts research to improve the quality, accessibility, and affordability of healthcare delivery. For detailed descriptions of research activities see https://engineering.purdue.edu/BME and https://www.purdue.edu/discoverypark/rche.

The School is an integral part of Purdue’s College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation (2nd public college for engineering, 3rd for online graduate engineering programs, 4th for graduate programs, 6th in the world for utility patents, and 9th for undergraduate programs) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting initiatives, and facilities.

Applications must be submitted electronically via this site, including (1) a complete curriculum vitae, (2) teaching plan, (3) research plan, (3) copies of three representative papers, (4) a diversity and inclusion statement indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion, and (5) names and contact information for at least four references. The search committee may contact references to request letters. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu.

Review of applications will begin on September 13, 2021, and will continue until the position is filled. A background check is required for employment in this position.

Purdue is an ADVANCE institution http://www.purdue.edu/advance-purdue/. The Weldon School of Biomedical Engineering and the Regenstrief Center for Healthcare Engineering are committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.
Professional Opportunities

science. These appointments will be at the level of Assistant or Associate Professor. The positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science.

Qualifications
The Department is broadly interested in candidates from all areas of Computer Science. Outstanding applicants in all areas of computer science will be considered. To expand and enhance our existing strengths, we are particularly interested in Architecture / Systems, Security and Privacy, Artificial Intelligence / Robotics / Vision, and Human-Computer Interaction. We also have college-wide searches in Quantum Computing and Data Science - Candidates in those areas are encouraged to apply to those searches. Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research, and have a strong commitment to teaching. Successful candidates are expected to conduct research in their fields of expertise, teach courses in computer science, and participate in department and university activities.

The Department and College
The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science and Data Science, and graduate MS and PhD programs, including a Professional MS in Information Security. For more information, see [https://www.cs.purdue.edu](https://www.cs.purdue.edu).

Computer Science is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 6,000 students. The College is pursuing significant new initiatives which complement campus-wide plans, including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences. Purdue itself is one of the nation’s leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects.

The department, college, and university all strive to provide an environment that values diversity, ensures equitable experiences, and promotes a culture of inclusivity and belonging.

To Apply
Submit your application to this site. Application materials requested include (1) a curriculum vitae, (2) a statement of research a teaching statement, and (3) at least three names of reference. Purdue University’s Department of Computer Science is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Candidates should address at least one of these areas in a separate Diversity and Inclusion Statement, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Reference Collection
Within two business days of your submission, you will receive an email from [system@successfactors.com](mailto:system@successfactors.com) titled “Follow-up to your application.” Please follow the instructions in the email to submit your references. You MUST complete this step in order to move forward in the process.

A background check will be required for employment in this position. Review of applications and interviews will begin in November 2021, and will continue until positions are filled. Inquiries can be sent to [fac-search@cs.purdue.edu](mailto:fac-search@cs.purdue.edu).

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Purdue University College of Engineering

Faculty Position Elmore Family School of Electrical and Computer Engineering

The Elmore Family School of Electrical and Computer Engineering (ECE) at Purdue University invites applications for a Professor of Engineering Practice position at either the Assistant or Associate Professor level. Purdue University seeks to attract exceptional candidates with interests and expertise in teaching in undergraduate and graduate level courses that provide the foundations for research and development in the broad area of Autonomous and Connected Systems which includes, but is not limited to, machine learning, artificial intelligence, computer vision, imaging, robotics, wireless communications, data science, Internet of Things (IoT), radar, and other related methodologies. This position is aligned with Purdue Engineering’s initiative on [https://engineering.purdue.edu/Initiatives/AutoSystems](https://engineering.purdue.edu/Initiatives/AutoSystems).

Successful candidates must hold a Ph.D. degree in electrical and computer
Engineering, computer science, statistics, or a related discipline, must be experienced in the practice of the broad area of Autonomous and Connected systems in industry/government/other organizations and demonstrate potential to vertically integrate practice-driven design throughout the ECE curriculum, and to develop national recognition for their work at the interface of practice and education/applied research. The successful candidate should possess strong leadership and organizational skills, and have a creative passion for educating and mentoring young engineers, preparing them to be highly contributing members of their profession. The successful candidate will teach undergraduate and graduate level courses and perform service at the School, College and University levels. Candidates with experience working with diverse groups of students, faculty, and staff and the ability to contribute to an inclusive climate are particularly encouraged to apply.

The Elmore Family School of Electrical and Computer Engineering is the largest academic unit at Purdue University and one of the largest in the nation with more than 110 faculty members (6 NAE members, more than 40 Fellows in multiple societies,) 1,700 undergraduate students (sophomores-seniors) and 1,000 graduate students. ECE is home to the NSF Network for Computational Nanotechnology (NSF NCN, nanoHUB), the SRC/DARPA Center for Brain Inspired Computing Enabling (C-BRIC), and the Center for Innovation in Control, Optimization, and Networks (ICON). ECE faculty lead the Birck Nanotechnology Center and various research areas under two NSF Engineering Research Centers (ERCs). ECE’s undergraduate, graduate and online programs rank 10th, 11th, and 1st in the nation, respectively.

The Elmore Family School is an integral part of Purdue’s College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation (2nd public college for engineering, 3rd for online graduate engineering programs, 4th for graduate programs, 6th in the world for utility patents, and 9th for undergraduate programs) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting initiatives, and facilities.

Applications must be submitted electronically via this site including (1) a complete curriculum vitae, (2) teaching plan, (3) research/engagement/outreach plan, (4) a diversity and inclusion statement indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion, and (5) names and contact information for at least 3 references. The search committee may contact references to request letters. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu.

Review of applications will begin on August 31, 2021 and will continue until the position is filled. A background check is required for employment in this position.

Purdue is an ADVANCE institution http://www.purdue.edu/advance-purdue/ The Elmore Family School of Electrical and Computer Engineering is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Purdue University
Faculty Positions School of Electrical and Computer Engineering

The Elmore Family School of Electrical and Computer Engineering at Purdue University invites applications for two tenured or tenure track positions at the assistant and associate professor levels. Purdue University seeks to attract exceptional candidates with interests and expertise in areas of relevance to autonomous and connected systems, including (but not limited to): AI, machine learning, and control for autonomy (either centralized, distributed, or at the edge); wireless communications for autonomous systems; robotics, trust, security and privacy for autonomy; human-autonomy interaction; computer vision for autonomous systems; verification and validation of autonomous systems; intelligent infrastructure systems; hardware and software architectures for autonomous systems. Successful candidates must hold a Ph.D. degree in electrical engineering, computer engineering, computer science,
mathematics, statistics, or a related discipline and demonstrate excellent potential to build an independent research program, as well as potential to educate and mentor students. The successful candidate will conduct original research, advise graduate students, teach undergraduate and graduate level courses, and perform service at the School, College, and University levels.

The Elmore Family School of Electrical and Computer Engineering is the largest academic unit at Purdue University and one of the largest in the nation with more than 110 faculty members (6 NAE members, more than 40 Fellows in multiple societies), 1,700 undergraduate students (sophomores-seniors) and 1,000 graduate students. ECE is home to the NSF Network for Computational Nanotechnology (NSF NCN, nanoHUB), the SRC/DARPA Center for Brain Inspired Computing Enabling (C-BRIC), and the Center for Innovation in Control, Optimization, and Networks (ICON). ECE faculty lead the Birck Nanotechnology Center and various research areas under two NSF Engineering Research Centers (ERCs). ECE’s undergraduate, graduate and online programs rank 10th, 11th, and 1st in the nation, respectively.

The School is an integral part of Purdue’s College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation (2nd public college for engineering, 3rd for online graduate engineering programs, 4th for graduate programs, 6th in the world for utility patents, and 9th for undergraduate programs) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence.

The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting initiatives, and facilities.

Applications must be submitted electronically via this site including (1) a complete curriculum vitae, (2) teaching plan, (3) research plan, (4) a diversity and inclusion statement indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion, and (5) names and contact information for at least 3 references. The search committee may contact references to request letters. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu. Review of applications will begin on September 15, 2021 and will continue until the position is filled. A background check is required for employment in this position.

Purdue is an ADVANCE institution. The Elmore Family School of Electrical and Computer Engineering is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Purdue University
Tenure-Track/Tenured Professors in Computer Science - Data Science

The Department of Computer Science in the College of Science at Purdue University invites applications for tenure-track or tenured positions in the broad area of data science. The appointments would start in August 2022 or a future date subject to negotiation. Early career candidates with exceptional qualifications may be considered for a term-limited early career endowed professorship.

We are interested in all standard aspects of data science relevant to computer science, including:

- Systems research into data-science computing platforms
- Theory and data science
- Computational science and engineering, scientific computing, and scientific machine learning
- Numerical optimization and numerical methods for data science
- High performance computing for data science
- Topological and geometric aspects of data analysis
- Software engineering for data science

Appointments are expected to be at the level of Assistant or Associate Professor. The positions are part of a continuing expansion in a large-scale hiring effort across key strategic areas in the College of Science. Please also see the Computer Science positions posted separately, as data science candidates may also be appropriate for those positions. There
Professional Opportunities

are additional posted positions in data science at Purdue in both the Mathematics and Statistics departments. Candidates are encouraged to apply for all that are relevant. Joint appointments with other departments are possible based on candidate and departmental interests.

Qualifications and Expectations: Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research, and have a strong commitment to teaching. We particularly encourage candidates who demonstrate the potential for collaboration across multiple disciplines.

Successful candidates will be expected to conduct research in their fields of expertise, teach courses in computer science, and participate in department and university activities.

The Department and College: The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science and Data Science, and graduate MS and PhD programs, including a Professional MS in Information Security. For more information, see https://www.cs.purdue.edu.

Computer Science is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 6,000 students. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences. Purdue itself is one of the nation’s leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects.

Application Procedure: Applications need to be submitted to this site and need to include (1) a complete curriculum vitae, (2) a statement of research, (3) a statement of teaching, (4) at least three names of reference, and (5) a Diversity and Inclusion Statement. Purdue University’s Department of Computer Science is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Candidates should address at least one of these areas in a separate Diversity and Inclusion Statement, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Reference Collection
Within two business days of your submission, you will receive an email from system@successfactors.com titled “Follow-up to your application.” Please follow the instructions in the email to submit your references. You MUST complete this step in order to move forward in the process.

A background check will be required for employment in this position. Review of applications and interviews will begin December 1, 2021 and will continue until positions are filled. Inquiries can be sent to ds-search@cs.purdue.edu.

Purdue University is an EOE/AA employer fully committed to achieving a diverse workforce. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Purdue University
Associate/Full Faculty Position

The Elmore Family School of Electrical and Computer Engineering at Purdue University invites applications for a tenured Associate/Full Professor position. Purdue University seeks to attract exceptional candidates with expertise in new-era cross-layer microelectronics, including materials, devices, integrated circuits, and systems. We are seeking applications from researchers who understand the need to perform scientific work across more than just one of the above fields to realize the next generation of microelectronics. The scope includes hardware solutions that involve heterogeneous integration and advanced packaging concepts. Candidates with expertise in open-source design tools with security, robustness, open-source IP, and packaging as foundational aspects of the design methodology are also encouraged to apply. Successful candidates must hold a Ph.D. degree in Electrical and Computer Engineering or a related discipline and demonstrate excellent potential to build an independent research program, as well as the potential to educate and mentor students. The successful candidate will conduct original research, advise graduate students, teach undergraduate and graduate level courses, and perform service at the School, College, and University levels.

The Elmore Family School of Electrical and Computer Engineering (ECE) is the largest academic unit at Purdue University and one of the largest in the nation with more than 110 faculty members (6 NAE members, more than 40 Fellows in multiple...
Professional Opportunities

The Elmore Family School of Electrical and Computer Engineering is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

Applications must be submitted electronically via this site including (1) a complete curriculum vita, (2) teaching plan, (3) research plan, (4) a diversity and inclusion statement indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion, and (5) names and contact information for at least 4 references. The search committee may contact references to request letters. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu. Review of applications will begin on September 15th, 2021 and will continue until the position is filled. A background check is required for employment in this position.

Purdue is an ADVANCE institution http://www.purdue.edu/advance-purdue/. The Elmore Family School of Electrical and Computer Engineering is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Rensselaer Polytechnic Institute
Lecturer in Computer Science

The School of Science at Rensselaer Polytechnic Institute in Troy, NY invites applications for the position of Lecturer in the Department of Computer Science (http://www.cs.rpi.edu) to start in August of 2022. Candidates must possess a terminal degree (Ph.D. or equivalent) and should have teaching expertise in both introductory courses and upper level computer science electives. The initial appointment is for up to three academic years, with the expectation of subsequent renewal. The successful candidate should have strong teaching, advising, and mentoring skills. The ideal candidate will be an individual with a comprehensive vision of computer science education, as well as the skills needed to integrate into a multi-disciplinary department. Evidence of teaching effectiveness may include student evaluations, syllabi, and/or sample assignments. As Rensselaer approaches its 200th anniversary, come join our team as we guide a community of brilliant undergraduate and graduate Computer Science students toward future technological leadership.

Screening of applications will begin immediately and will continue until the position is filled. Qualified applicants must submit their applications through https://careers.rpi.edu/en-us/job/492620/lecturer-sr-lecturer-professor-of-practice-school-of-science. We welcome candidates, who bring diverse intellectual, geographical, gender, and ethnic perspectives to Rensselaer’s work and campus communities.

Rensselaer Polytechnic Institute is an Affirmative Action/Equal Opportunity Employer.

Rensselaer Polytechnic Institute
Tenured and Tenured Track Faculty in AI, Machine Learning, and Cybersecurity

The Department of Computer Science at Rensselaer Polytechnic Institute, in Troy, NY is aggressively growing with a focus on Data Science, Artificial Intelligence, Machine Learning, and Cybersecurity, broadly defined to cover fundamental theoretical underpinnings, core algorithms,
software systems, distributed, heterogeneous and cyber-physical systems, quantum computing, ethical and social issues, and related fields that contribute to or leverage these foci. We seek applications from outstanding candidates at all academic ranks who will build upon our existing strengths.

Applicants for senior positions must possess an outstanding record of research accomplishments and a demonstrated commitment to graduate and undergraduate education. Applicants for tenure-track Assistant Professor positions must show evidence of emerging research distinction and a clear interest in graduate and undergraduate education. At minimum, candidates must have a Ph.D. or foreign degree equivalent in Computer Science or a related area. Successful candidates will have duties that include developing and maintaining robust programs of research and scholarship, teaching graduate and undergraduate courses, and service to their department, to Rensselaer, and to the professional community. The Department of Computer Science search is part of a larger campus-wide expansion in AI, ML, and Cyber research. We seek highly collaborative applicants with a strong vision for solving emerging 21st century challenges.

For more details, and to apply, visit https://careers.rpi.edu/en-us/job/492668. Follow the on-screen prompts to create a short, online profile, including contact information for three (3) references. You will then be asked to upload a CV, a letter of interest, a statement of research, a statement of teaching, and a diversity statement. Please contact careers@rpi.edu if you need assistance with the online application process.

Please notify the Computer Science Department of the application submission and direct any questions related to the department to jobs@cs.rpi.edu with the subject line “CS AI/ML Faculty Position”.

We welcome candidates who will bring diverse intellectual, geographical, gender and ethnic perspectives to Rensselaer’s work and campus community. Rensselaer Polytechnic Institute is an Affirmative Action/Equal Opportunity, Race/Gender/Veterans/Disability Employer.

Rice University

D2K Teaching Faculty Position

Rice University: The Rice Center for Transforming Data to Knowledge, informally called D2K Lab invites applications for an Assistant Teaching Professor Position in Data Science.

Full description, qualifications, and application available at https://apply.interfolio.com/96591
**Department/College Description**

Golisano College of Computing and Information Sciences (GCCS) at RIT is one of the most comprehensive computing colleges in the nation. The college is housed in modern facilities in Rochester, NY, that include leading programs in computer science and cybersecurity. As one of the country's first undergraduate programs in software engineering and information technology, as well as the recently opened Global Cybersecurity Institute, Golisano College has long been a leader in computing education and research. Faculty, staff, and students have access to specialized studios, labs, and equipment that are among the most complete and current of any university in the world. Moreover, Golisano College graduates go on to work at the world's leading tech firms and have developed groundbreaking technology that is among the most complete and current of any university in the world. Currently, we have 27 faculty members from across RIT working to address the growing challenges in cybersecurity with an interdisciplinary approach. Please visit https://cybersecurity.rit.edu for more information about cybersecurity at RIT.

The successful candidate will be granted an endowed position with dedicated research funding and additional salary commensurate with the role they will play in leading major research initiatives in cybersecurity. The candidate may be hired into any department in RIT, and will be expected to collaborate across the university to advance research and education in cybersecurity and be a cornerstone in the growth of GCCS.

**Academic year start date is 8/10/2022. An earlier start date is negotiable.**

**Required Qualifications**

- PhD in computer science or related discipline

**Required Minimum Education Level**

- PhD

**Required Application Documents**

- Cover Letter, Curriculum Vitae or Resume, List of References, Research Statement, Statement of Diversity Contributions, Statement of Teaching Philosophy

**How to Apply**

- Online application at http://careers.rit.edu/facultySearch:5622BR. Please submit the following: your resume/CV, list of references, research statement, statement of teaching philosophy, and statement of diversity contributions.

- Additional Details

- RIT does not discriminate. RIT is an equal opportunity employer that promotes and values diversity, pluralism, and inclusion. For more information or inquiries, please visit RIT's website or the U.S. Department of Education’s Title IX Office.

---

**Department/College Description**

IGM: https://www.rit.edu/gccis/igm/ (IGM) has over 30 full-time faculty and is committed to excellence in design and development, NewMediaInteractiveDevelopment, a Master of Science in Game Design and Development, and a college-wide PhD program, providing abundant opportunities for research collaboration within and beyond the college.

**IGM**: https://www.rit.edu/gccis/igm/ has over 30 full-time faculty and is committed to excellence in design and development; NewMediaInteractiveDevelopment, a Master of Science in Game Design and Development, and an accelerated BSMS in Game Design and Development. IGMS serves nearly 900 undergraduate students (including mandatory co-op experience) and about 400 graduate students. IGMS is currently ranked in the top 10 of the Princeton Review, US News & World Report, and the Animation Career Review for Game Design and Development programs at the undergraduate and graduate levels. IGMS works closely with https://www.rit.edu/gccis/igm/ (IGM), Media, Arts, Games, Interaction & Creativity, which is a university-wide collaboration for research and publishing in games and digital media. The MAGIC Center is composed of both a university research and development center and an independent game publishing studio.

**Required Minimum Qualifications**

- PhD or an area related disciplines by the start date of the appointment;

- Record of scholarly dissemination and/or creative work in game and/or interactive media development;

- Demonstrated potential to teach in the computer science and/or game development; and

- Demonstrated potential to conduct independent research;

- Demonstrated potential to attract external funding;

- Demonstrated interest in mentoring undergraduate and graduate students;

- Ability to contribute in meaningful ways to the College’s continuing commitment to cultural diversity, inclusion, and individual differences.

**Required Minimum Education Level**

- MFA, PhD

**Required Application Documents**

- Cover Letter, Curriculum Vitae or Resume, Letters of Recommendation, Research Statement, Statement of Diversity Contributions, Statement of Teaching Philosophy

**How to Apply**

- Online application at https://apptrkr.com/2594687. Please submit the following: your resume/CV, list of references, research statement, statement of teaching philosophy, and statement of diversity contributions.

- Additional Details

- RIT does not discriminate. RIT is an equal opportunity employer that promotes and values diversity, pluralism, and inclusion. For more information or inquiries, please visit RIT's website or the U.S. Department of Education’s Title IX Office.
Professional Opportunities

Rutgers University
Postdoctoral Associate

DIMACS, the Center for Discrete Mathematics and Theoretical Computer Science, invites applications for postdoctoral associate positions for 2022-24. Applicants should be recent PhDs with interest in DIMACS areas, including theoretical computer science, discrete mathematics, statistics, operations research, data science, AI, machine learning, and their applications.

Application review begins December 1, 2021.

See https://jobs.rutgers.edu/postings/146503 for application information.

DIMACS is an EO/AA employer.

Rutgers University at New Brunswick
Tenure-Track Positions in Computer Science

The Computer Science Department at Rutgers University invites applications for multiple tenure-track/tenured positions at the Assistant Professor and Associate Professor levels. We will consider outstanding candidates at the Professor level as well. We invite applications in all areas of computer science. We are especially interested in the areas of trustworthy computing and human-centered computing. Broadly defined, trustworthy computing includes topics from cryptography and formal methods to system security, policy and privacy. Human-centered computing is also broadly defined, including and not limited to intelligent interaction (e.g., HRI), fairness and transparency in AI systems, AI for social good, as well as economics and computation.

Responsibilities will include research, supervision of Ph.D. students, and teaching undergraduate- and graduate-level courses in computer science. Pursuit of external research funding is expected. Successful completion of a Ph.D. or equivalent in computer science or a closely related field is required by the start date. The appointment will start September 1, 2022.

Applications received by January 3, 2022, will be given priority. Applicants should submit their cover letter, CV, a research statement addressing both past and future work, a teaching statement, and contact information for at least three references at https://jobs.rutgers.edu/postings/144584. Contact Info: hiring-committee@cs.rutgers.edu.

Rutgers subscribes to the value of academic diversity and encourages applications from individuals with varied experiences, perspectives, and backgrounds. Women, minorities, and persons with disabilities are encouraged to apply. Rutgers is an affirmative action/equal opportunity employer. Offer is contingent upon successful completion of all pre-employment screenings.

Saint Louis University
Multiple Faculty Positions in Computer Science

Saint Louis University, a Catholic, Jesuit institution dedicated to student learning, research, health care, and service, invites applicants for both tenure track and non-tenure-track faculty positions in computer science to begin in August 2022. Candidates for a tenure-track position must have a Ph.D. in computer science or a closely related field and demonstrate strong potential for both research and teaching. Candidates for a non-tenure-track position must have an M.S. or Ph.D. in computer science or closely related field, and demonstrated teaching experience.

The Department of Computer Science supports bachelors, masters and doctoral programs in computer science and closely related areas such as artificial intelligence, bioinformatics, data science, and software engineering. The department seeks to expand upon strengths in current teaching and research clusters (algorithms, bioinformatics, computer vision, high-performance computing, machine learning, natural language processing, networking/security, and systems), and to develop additional strength in key areas such as software engineering and human-computer interactions. Tenure-track faculty members are expected to develop and maintain active research programs and both tenure-track and non-tenure-track faculty will contribute toward teaching a diverse portfolio of inclusive classes at the undergraduate and/or graduate level.

Instructions for applicants are at https://cs.slu.edu/hiring. Applicants must provide a cover letter, CV, research statement (for tenure-track applicants), teaching statement, a statement addressing how the applicant’s efforts can support an inclusive and diverse community, and contact information for at least three individuals who can provide reference letters.

Review of applications will begin immediately.
Saint Louis University is an equal opportunity/affirmative action employer. All qualified candidates will receive consideration for the position applied for without regard to race, color, religion, sex, age, national origin, disability, marital status, sexual orientation, military/veteran status, gender identity, or other non-merit factors. We welcome and encourage applications from minorities, women, protected veterans, and individuals with disabilities (including disabled veterans). If accommodations are needed for completing the application and/or with the interviewing process, please contact Human Resources at 314-977-5847.

Saint Mary’s University
Tenure-Track Assistant Professor in Computing and Information Systems

The Sobey School of Business at Saint Mary’s University invites applications for one tenure-track position at the rank of Assistant Professor in the area of Computing and Information Systems commencing July 1, 2022, or soon thereafter. The successful candidates must possess, or be near completion of, a PhD in Management Information Systems, Computer Science, or a closely related discipline. Evidence of an actively developing research program, as well as commitment to education innovation and program support, are required. Desirable areas of research interest include, but are not limited to, management of information systems, blockchain technology, business intelligence, business analytics, machine learning and artificial intelligence, and interdisciplinary business research related to information systems. Strong teaching effectiveness, interdisciplinary business experience, and a collaborative working style are also considered assets.

Please visit https://www.smu.ca/webfiles/Approved-CISYTenureTrackAd-Sept2021.pdf

San Diego State University
Department of Computer Science
Tenure-Track Assistant Professor Position

The Department of Computer Science is seeking to hire a tenure-track assistant professor in intelligent systems beginning Fall 2022. The candidates should have a PhD degree in Computer Science or a closely related field.

Position details and instructions to apply can be found at https://apply.interfolio.com/98407.

Questions about the position may be directed to COS-CS-IS-Search2022@sdsu.edu.

SDSU is an equal opportunity/Title IX employer.

San José State University
San José, California
Department of Computer Science
Rank: Assistant Professor (tenure-track)

Starting Date: August 2022

Qualifications: CS Ph. D. with expertise in Data Science, ML/AI, or Programming Languages.

Application Procedure: All materials are due by November 30 2021 for full consideration. Apply here.

San Diego State University
Department of Computer Science
Tenure-Track Assistant Professor Position

The Department of Computer Science is seeking to hire a tenure-track assistant professor beginning Fall 2022. Strong candidates in all fields of computer science will be considered, with an emphasis on software engineering. The candidates should have a PhD degree in Computer Science or a closely related field.

Position details and instructions to apply can be found at https://apply.interfolio.com/94563.

Questions about the position may be directed to COS-CS-SE-Search2022@sdsu.edu.

SDSU is an equal opportunity/Title IX employer.

Santa Clara University
Tenure-Track Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Santa Clara University, a Jesuit, Catholic University, is offering a tenure-track position at the rank of Assistant Professor in some field of computer science, with a preference for some area of computer security or data science. Tenure stream faculty are expected to balance a commitment to quality undergraduate teaching with an active, sustainable research and publication program, as well as provide effective service to the Department, College, and University. Candidates should be prepared to teach six courses per academic year during three quarters.
The position begins September 1, 2022, by which time a Ph.D. is required. Candidates should submit applications by November 30, 2021 for full consideration.

Santa Clara University, located in California’s Silicon Valley, is an AA/EEO employer.

For more information and to apply, see https://wd1.myworkdaysite.com/en-US/recruiting/scu/scu/job/Santa-Clara-CA/Assistant-Professor-of-Computer-Science_R1675

---

**Santa Clara University**

**Tenure-Track Assistant Professor of Computer Science and Engineering**

**Purpose:**

The Department of Computer Science & Engineering at Santa Clara University invites applications for two tenure-track Assistant Professor positions starting in the 2022-2023 academic year. To complement expertise of current faculty, address areas of strong interest to students, and enhance collaboration opportunities with local industries, the department is particularly interested in candidates with specializations in software engineering, programming languages, visualization (AR/VR), database systems, and embedded systems. However, Silicon Valley is an area of broad and ever-changing technical interests and needs, and strong candidates will be seriously considered regardless of area of specialization.

Santa Clara University ([https://www.scu.edu](https://www.scu.edu)) is a comprehensive Jesuit, Catholic university, located in the heart of Silicon Valley. Distinguished by the highest retention rate and has been ranked first among all regional universities in the West by U.S. News and World Report, Santa Clara University is now elevated to a new category in national rankings, “Doctoral/Professional Universities.” Santa Clara University’s ranking in the 2021 edition of Best Colleges is National Universities, #53. Santa Clara University is California’s oldest operating institution of higher-education. The School of Engineering is committed to improving the human condition through engineering education, practice, and scholarship, promoting the University’s mission to “fashion a more humane, just and sustainable world.”

SCU maintains small class sizes and promotes close faculty/student interaction. The University enrollment is approximately 5,500 undergraduate and 3,700 graduate students. The Department ([https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/](https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/)) offers B.S., M.S. and Ph.D. degrees, with 23 full-time faculty, and a strong pool of approximately 20 part-time adjunct faculty who instruct about 400 undergraduate majors, and about 450 part-time and full-time graduate (M.S. and Ph.D.) majors. The School of Engineering maintains strong ties to local industry.

SCU and the computer science and engineering profession are committed to justice, equity, diversity, and inclusion; we seek candidates whose research, teaching, and/or service have prepared them to help fulfill our commitment to these. All SCU faculty engage in teaching, research and service. The ideal candidate will express enthusiasm for teaching classes from undergraduate through graduate courses in areas of specialization, and lower division courses of a fundamental nature, fulfilling all responsibilities related to those courses, and for engaging students from diverse backgrounds in learning. The successful candidate will be expected to develop her/his own scholarly research, including mentoring undergraduate and graduate students. She/he will demonstrate passion for developing an active research program appropriate to Santa Clara’s mission that leads to high-quality publications, grant applications, and engages students as participants.

We welcome candidates who are ready to contribute to our mission to educate citizens and leaders of competence, conscience, and compassion and to cultivate knowledge and faith to build a more humane, just, and sustainable world. We especially encourage applicants whose goals and professional or life experiences enrich the department and school community and who can serve as a role model to a diverse student population.

**Salary:**

Based on experience, education, and expertise.

**Basic Qualifications:**

Applicants must hold a doctorate in computer science, computer engineering, or in a closely related field; have demonstrated a strong potential for high-quality research in computing, and have a strong commitment and ability to teach at both the undergraduate and graduate levels. The full-time teaching load is nominally seven quarter-level courses per academic year (each quarter is 10 weeks
Professional Opportunities

excluding the final exams week), but a
one course release is given to faculty
actively involved in research and course
credit is also given for project, thesis,
and laboratory supervision. The first
year tenure-track assistant professor is
granted an additional one course release.
Limited course buyout may be approved
using external grant funds.

Responsibilities:
Teaching undergraduate and graduate
courses in areas of specialization, and
courses of a fundamental/core nature,
and fulfilling all responsibilities related
to those courses.

The standard academic year course load
for tenured and tenure-track positions is
seven quarter-level course equivalents,
generally with a one-course equivalent
reduction for scholarly or creative work.
The first year tenure-track assistant
professor is granted an additional one
course release.

Course equivalents include lectures and
supervision of labs, theses, dissertations,
and projects, distributed across three
quarters of 10 weeks each.

Developing a research program that leads
to high-quality publications, competitive for
funding by external sources, and engages
students as participants in that research.

Appropriate service to the department,
school, university, and profession.

Start Date: 09/01/2022

Work Authorization:
A foreign national who is appointed to a
tenured or tenure-track faculty position is
eligible for sponsorship by Santa
Clara University.

Posting Detail Information:
Open Date: 08/20/2021
Close Date:
Open Until Filled: Yes
Special Instructions to Applicants:
Applicants should upload a letter of
application, a detailed CV, and the
names and contact information of three
professional references.

All letters of application MUST include
statements of research interests,
statements of teaching interests, and
statements of equity, diversity, and
inclusion. An equity, diversity, and
inclusion (EDI) statement describes past,
present, and planned contributions to
equity, diversity, and/or inclusion
in engineering or other areas. All materials
should be submitted online at https://wd1.
myworkdaysite.com/en-US/recruiting/
scu/scu/job/Santa-Clara-CA/Tenure-
Track-Assistant-Professor-of-Computer-
Science-and-Engineering_R1639

Complete application packets received
by December 5, 2021 will receive full
consideration. However, the position will
remain open until filled.

About Santa Clara University:
Santa Clara University is a
comprehensive Jesuit, Catholic university
located in California’s Silicon Valley,
offering its 8,800 students with rigorous
undergraduate curricula in arts and
sciences, business, and engineering, plus
graduate degrees (master’s, Ph.D., and
law degrees) in six disciplines.

Distinguished by the highest retention
rate and ranked among the top 15 percent
of national universities by U.S. News &
World Report, Santa Clara University is
California’s oldest operating institution
of higher-education. The University
is focused on creating an academic
community that educates citizens and
leaders who will build a more just,
humane, and sustainable world.

EEO Statement:
Santa Clara University is an Equal
Opportunity/Affirmative Action employer,
committed to excellence through diversity
and inclusion, and, in this spirit, particularly
welcomes applications from women,
persons of color, and members of historically
underrepresented groups. All qualified
applicants will receive consideration
for employment without regard to race,
religion, color, national origin, sex, sexual
orientation, gender identity or expression,
age, status as a protected veteran, status
as a qualified individual with a disability, or
other protected category in accordance with
applicable law. The University will provide
reasonable accommodations to individuals
with a disability.

Santa Clara University annually collects
information about campus crimes and
other reportable incidents in accordance
with the federal Jeanne Clery Disclosure
of Campus Security Policy and Campus
Crime Statistics Act. To view the Santa
Clara University report, please go to
the Campus Safety Services website at
https://university-operations.scu.edu/
campus-safety/. To request a paper
copy please call Campus Safety at (408) 554-4441. The report includes the type of crime, venue, and number of occurrences.

Required Documents:
1. Letter of Interest, with statements of research interests, statements of teaching interests, and statements of equity, diversity and inclusion
2. Curriculum Vitae
3. First Professional Reference Contact Information
4. Second Professional Reference Contact Information
5. Third Professional Reference Contact Information

References:
Accept References? Yes
Minimum Number of References 3
Maximum Number of References 3

Santa Clara University
Tenure-Track Assistant Professor of Computer Science and Engineering

Purpose:
The Department of Computer Science & Engineering at Santa Clara University invites applications for two tenure-track Assistant Professor positions starting in the 2022-2023 academic year. To complement expertise of current faculty, address areas of strong interest to students, and enhance collaboration opportunities with local industries, the department is particularly interested in candidates with specializations in software engineering, programming languages, visualization (AR/VR), database systems, and embedded systems. However, Silicon Valley is an area of broad and ever-changing technical interests and needs, and strong candidates will be seriously considered regardless of area of specialization.

Santa Clara University (https://www.scu.edu) is a comprehensive Jesuit, Catholic university, located in the heart of Silicon Valley. Distinguished by the highest retention rate and has been ranked first among all regional universities in the West by U.S. News and World Report. Santa Clara University is now elevated to a new category in national rankings, "Doctoral/Professional Universities." Santa Clara University's ranking in the 2021 edition of Best Colleges is National Universities, #53. Santa Clara University is California's oldest operating institution of higher-education. The School of Engineering is committed to improving the human condition through engineering education, practice, and scholarship, promoting the University's mission to "fashion a more humane, just and sustainable world."

SCU and the computer science and engineering profession are committed to justice, equity, diversity, and inclusion; we seek candidates whose research, teaching, and/or service have prepared them to help fulfill our commitment to these. All SCU faculty engage in teaching, research and service. The ideal candidate will express enthusiasm for teaching classes from undergraduate through graduate courses in areas of specialization, and lower division courses of a fundamental nature, fulfilling all responsibilities related to those courses, and for engaging students from diverse backgrounds in learning. The successful candidate will be expected to develop her/his own scholarly research, including mentoring undergraduate and graduate students. She/he will demonstrate passion for developing an active research program appropriate to Santa Clara’s mission that leads to high-quality publications, grant applications, and engages students as participants.

We welcome candidates who are ready to contribute to our mission to educate citizens and leaders of competence, conscience, and compassion and to cultivate knowledge and faith to build a more humane, just, and sustainable world. We especially encourage applicants whose goals and professional or life experiences enrich the department and school community and who can serve as a role model to a diverse student population.

Salary:
Based on experience, education, and expertise.

Basic Qualifications:
Applicants must hold a doctorate in computer science, computer engineering,
or in a closely related field; have demonstrated a strong potential for high-quality research in computing; and have a strong commitment and ability to teach at both the undergraduate and graduate levels. The full-time teaching load is nominally seven quarter-level courses per academic year (each quarter is 10 weeks excluding the final exams week), but a one course release is given to faculty actively involved in research and course credit is also given for project, thesis, and laboratory supervision. The first year tenure-track assistant professor is granted an additional one course release. Limited course buyout may be approved using external grant funds.

**Responsibilities:**
Teaching undergraduate and graduate courses in areas of specialization, and courses of a fundamental/core nature, and fulfilling all responsibilities related to those courses.

The standard academic year course load for tenured and tenure-track positions is seven quarter-level course equivalents, generally with a one-course equivalent reduction for scholarly or creative work. The first year tenure-track assistant professor is granted an additional one course release.

Course equivalents include lectures and supervision of labs, theses, dissertations, and projects, distributed across three quarters of 10 weeks each.

Developing a research program that leads to high-quality publications, competitive for funding by external sources, and engages students as participants in that research.

Appropriate service to the department, school, university, and profession.

**Start Date:** 09/01/2022

**Work Authorization:**
A foreign national who is appointed to a tenured or tenure-track faculty position is eligible for sponsorship by Santa Clara University.

**Posting Detail Information:**
**Open Date:** 08/20/2021
**Close Date:**
**Open Until Filled:** Yes

**Special Instructions to Applicants:**
Applicants should upload a letter of application, a detailed CV, and the names and contact information of three professional references.

All letters of application MUST include statements of research interests, statements of teaching interests, and statements of equity, diversity, and inclusion. An equity, diversity, and inclusion (EDI) statement describes past, present, and planned contributions to equity, diversity, and/or inclusion in engineering or other areas. All materials should be submitted online at [https://wd1.myworkdaysite.com/en-US/recruiting/scu/scu/job/Santa-Clara-CA/Tenure-Track-Assistant-Professor-of-Computer-Science-and-Engineering_R1639](https://wd1.myworkdaysite.com/en-US/recruiting/scu/scu/job/Santa-Clara-CA/Tenure-Track-Assistant-Professor-of-Computer-Science-and-Engineering_R1639)

Complete application packets received by December 5, 2021 will receive full consideration. However, the position will remain open until filled.

**About Santa Clara University:**
Santa Clara University is a comprehensive Jesuit, Catholic university located in California’s Silicon Valley, offering its 8,800 students with rigorous undergraduate curricula in arts and sciences, business, and engineering, plus graduate degrees (master’s, Ph.D. and law degrees) in six disciplines.

Distinguished by the highest retention rate and ranked among the top 15 percent of national universities by U.S. News & World Report, Santa Clara University is California’s oldest operating institution of higher-education. The University is focused on creating an academic community that educates citizens and leaders who will build a more just, humane, and sustainable world.

**EEO Statement:**
Santa Clara University is an Equal Opportunity/Affirmative Action employer, committed to excellence through diversity and inclusion, and, in this spirit, particularly welcomes applications from women, persons of color, and members of historically underrepresented groups. All qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity or expression, age, status as a protected veteran, status as a qualified individual with a disability, or other protected category in accordance with applicable law. The University will provide reasonable accommodations to individuals with a disability.

Santa Clara University annually collects information about campus crimes and other reportable incidents in accordance with the federal Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act. To view the Santa Clara University report, please go to the
Campus Safety Services website at https://university-operations.scu.edu/campus-safety/. To request a paper copy please call Campus Safety at (408) 554-4441. The report includes the type of crime, venue, and number of occurrences.

Required Documents:
1. Letter of Interest, with statements of research interests, statements of teaching interests, and statements of equity, diversity and inclusion
2. Curriculum Vitae
3. First Professional Reference Contact Information
4. Second Professional Reference Contact Information
5. Third Professional Reference Contact Information

References:
Accept References? Yes
Minimum Number of References 3
Maximum Number of References 3

Seton Hall University
Assistant Professor in Computer Science

The Department of Mathematics and Computer Science at Seton Hall University invites applications for a full-time tenure-track position at the rank of assistant professor in Computer Science to start in August 2022. A PhD in Computer Science is required. The successful applicant will have a strong interest in teaching, in research, and in providing undergraduate research experiences. While all areas of Computer Science will be considered, priority will be given to applicants with research and teaching focus on areas of software engineering and development, including specializations such as agile software development, DevOps, cloud development, and data engineering. Teaching responsibilities will include Computer Science courses at all undergraduate levels, including service courses. Applicants are expected to teach the upper-level offerings that integrate systematic program development. The candidate’s Ph.D. must be completed by the start of employment. A distinguished teaching and publication record are highly desirable. Finally, applicants must understand and be willing to support the Seton Hall University Catholic mission. Since Seton Hall University is committed to providing a diverse and inclusive environment, the application must include a statement explaining what diversity means for the applicant with respect to the academic field and the community.

To apply, upload to the Seton Hall University job application site: https://jobs.shu.edu/cw/en-us/job/494919/contract-faculty-department-of-mathematics-and-computer-science

Questions about the Computer Science program may be addressed to cs@shu.edu.

Southern Illinois University Carbondale
Assistant Professor (Computer Science)

Southern Illinois University Carbondale invites those with potential for excellence in research and teaching to submit an application for consideration as an Assistant Professor in the School of Computing. This is a 9-month, continuing, tenure-track appointment starting August 16, 2022. We are particularly looking for those who specialize in Machine Learning, Artificial Intelligence, or related fields.

Please use the following link to apply https://jobs.siu.edu/job-details?jobid=12767

Spelman College
Assistant Professor (two positions)

https://spelman.peopleadmin.com/

Position 1: Spelman College invites applications for a tenure-track position at the rank of Assistant Professor in all areas of Computer Science to begin in August 2022. Special consideration will be given to candidates in software engineering, machine learning, and artificial intelligence. The successful candidate will demonstrate not only potential for excellent undergraduate teaching, but also promise in sustained research with opportunities to involve undergraduates, mentoring, and service to the department and College. The ideal candidate should have a Ph.D. in Computer Science or related field and be able to teach courses within the core curriculum of computer science, including:
data structures, software engineering, programming languages, and introductory programming courses.

Required Qualifications: Ph.D. Computer Science or related field.

Preferred Qualifications: Experience as Instructor of Record preferred

Position 2: Spelman College invites applications for a tenure-track position at the rank of Assistant Professor in Systems (broadly defined to include operating systems, cloud computing, computer networks, mobile systems, IoT, computer architectures, parallel and distributed computing, etc) to begin in August 2022. The successful candidate will demonstrate not only potential for excellent undergraduate teaching, but also promise in sustained research with opportunities to involve undergraduates, mentoring, and service to the department and College. The ideal candidate should have a Ph.D. in Computer Science or related field and be able to teach courses within the core curriculum of computer science, including: operating systems, computer organization, computer networks, and introductory programming courses.

Required Qualifications: Ph.D. Computer Science or related field.

Preferred Qualifications: Experience as Instructor of Record preferred

Spelman College seeks teacher/scholars dedicated to excellence in teaching and to the continued enhancement of the academic environment for students and colleagues.

Founded in 1881, Spelman College is a private four-year liberal arts college located in Atlanta, GA. The oldest historically Black college for women in the United States, Spelman is a member of the Atlanta University Center Consortium and Atlanta Regional Consortium for Higher Education. All tenure-track candidates are expected to have a demonstrated interest in liberal arts and sciences education, contribute effectively to undergraduate teaching, assist in curriculum development, provide service to the department and College, as well as be active in scholarly, creative, and/or research productivity appropriate to a liberal arts environment.

Stanford University
Department of Computer Science Faculty Openings

The Department of Computer Science at Stanford University invites applications for tenure track faculty positions at the junior level (Assistant or untenured Associate Professor). We give higher priority to the overall originality and promise of the candidate’s work than to the candidate’s sub-area of specialization within Computer Science.

We are seeking applicants from all areas of Computer Science, spanning theoretical foundations, systems, software, and applications. We are also interested in applicants doing research at the frontiers of Computer Science with other disciplines, including but certainly not limited to those in the engineering, mathematical, medical, physical, and social sciences. Applicants must have completed (or be completing) a Ph.D. must have demonstrated the ability to pursue a program of research, and must have a strong commitment to graduate and undergraduate teaching. A successful candidate will be expected to teach courses at the graduate and undergraduate levels, and to build and lead a team of graduate students in Ph.D. research. Further information about the Computer Science Department can be found at https://cs.stanford.edu. The School of Engineering website may be found at https://engineering.stanford.edu.

Application Requirements:

All applications should include a curriculum vita, list of publications, and brief (3 page total, combined, including references) statements of research and teaching interests. The Computer Science Department, School of Engineering, and Stanford University value faculty who are committed to advancing diversity, equity, and inclusion. Candidates may optionally include as part of their research or teaching statement a brief discussion of how their work will further these ideals.

Applicants should submit the names and contact information of at least four references.

Please apply online at https://www.applyweb.com/cgi-bin/app?st=STANFAC. You will need to create a CollegeNet account if you do not already have one. Questions should be directed to, Search Committee Chair, c/o Laura Kenny-Carlson, via electronic mail to search@cs.stanford.edu.

The review of applications will begin on December 6, 2021, and applicants are strongly encouraged to submit complete applications by that date for full consideration; however, applications will continue to be accepted until February 4, 2022.

Stanford is an equal employment opportunity and affirmative action employer. All qualified applicants will receive consideration for employment...
without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by law. Stanford also welcomes applications from others who would bring additional dimensions to the University’s research, teaching and clinical missions.

---

**Stanford University**

**Faculty Positions in Operations, Information, and Technology**

The Operations, Information and Technology (OIT) area at the Graduate School of Business, Stanford University, is seeking qualified applicants for full-time, tenure-track positions, starting September 1, 2022. All ranks and relevant disciplines will be considered. Applicants are considered in all areas of Operations, Information and Technology (OIT), including the management of service and manufacturing systems, supply and transportation networks, information systems/technology, energy systems, and other systems wherein people interact with technology, markets, and the environment. Applicants are expected to have rigorous training in management science, operations research, engineering, computer science, economics, and/or statistical modeling methodologies. Candidates with strong empirical training in economics, behavioral science or computer science are encouraged to apply. The appointed will be expected to do innovative research in the OIT field, to participate in the school’s Ph.D. program, and to teach both required and elective courses in the MBA program.

Junior applicants should have or expect to complete a Ph.D. by September 1, 2022.

Applicants should submit their applications electronically by visiting the website [http://www.gsb.stanford.edu/recruiting](http://www.gsb.stanford.edu/recruiting) and uploading their curriculum vitae, research papers and publications, and teaching evaluations, if applicable, on that site. Applications will be accepted until November 30, 2021. For an application to be considered complete, the applicant must submit a CV and job market paper and arrange for three letters of recommendation to be submitted before the application deadline of November 30, 2021.

The Stanford Graduate School of Business will not conduct interviews at the INFORMS meeting in Anaheim, but some OIT faculty members will attend. Hence candidates who will be presenting at INFORMS are encouraged to submit their CV, a research abstract, and any supporting information before October 11, 2021.

Any questions regarding the application process should be sent by email to Faculty_Recruiter@gsb.stanford.edu.

Stanford is an equal employment opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by law. Stanford welcomes applications from all who would bring additional dimensions to the University’s research, teaching and clinical missions.

---

**Stevens Institute of Technology**

**Fall 2022 - Teaching-track Faculty Positions in Systems & Enterprises**

The School of Systems and Enterprises (SSE) at Stevens Institute of Technology invites applications for teaching-track faculty positions, starting Fall 2022 or on a mutually agreed upon date. Successful teaching faculty will contribute to a dynamic and growing educational program in the areas of engineering management, systems engineering, software engineering, complex systems, and underlying enabling technologies, such as machine learning and data engineering. The individual is expected to deliver a first-class teaching experience that offers undergraduate and graduate students an exceptional, practice-based, and research-supported education that translates
immediately into expertise that students can take to the workplace.

**Job Duties**

Faculty duties include teaching at the undergraduate and graduate levels, advising and mentoring graduate students, conducting externally-funded research, as well as contributing to service to Stevens and to the professional community.

**Basic Qualifications**

- Applicants must possess a doctoral degree in a related engineering or science discipline prior to commencement of employment.
- At least five years of relevant teaching or related instructional experience in a university or comparable setting.
- At least five years of relevant industry-based professional expertise that translates into educating students for the workplace.
- Experience with advising and/or mentoring desirable.
- Excellent oral and written communication skills.

**SSE Submission Guidelines**

To apply, please submit your package as a single PDF file that contains your curriculum vita, research statement, teaching statement, and contact information for 3 references online at [Stevens/SSE Career Opportunities](Stevens/SSE Career Opportunities). If you have any questions, please direct your inquiries to Prof. Onur Asan at oasan@stevens.edu.

Review of applications will commence immediately and continue until the position is filled.

---

**About the School**

The School of Systems and Enterprises (SSE) at Stevens Institute of Technology is a leading institution in systems innovation and research located in Hoboken, New Jersey, a vibrant city with a population of 54,000 on the Hudson River directly across from New York City. Ranked amongst the top graduate programs in Industrial, Systems, and Software Engineering by the US News and World Report, faculty in SSE embrace diverse careers with both academic and industry experience. Stevens Institute of Technology is an Equal Opportunity Employer. SSE is home to the Systems Engineering Research Center (SERC), a University-Affiliated Research Center of the US Department of Defense that leverages the research and expertise of senior lead researchers from 22 collaborator universities throughout the United States. The School of Systems and Enterprises at Stevens values diversity and seeks candidates who can contribute to a welcoming climate for students of all races and genders. Stevens is committed to equitable practices and policies. We strongly encourage qualified women and minority candidates to apply.

---

**Stevens Institute of Technology**

**Lecturer Position, School of Systems and Enterprises**

The School of Systems and Enterprises (SSE) at Stevens Institute of Technology invites applications for a 9-month lecturer position, starting Spring 2022. Successful candidates will contribute to a dynamic and growing educational program in the areas of software engineering and complex systems, and underlying enabling technologies, such as machine learning, data engineering, and embedded systems. The candidate should be able to deliver a first-class teaching experience that offers undergraduate and graduate students an exceptional, practice-based, and research-supported education that translates immediately into expertise that students can take to the workplace.

**Job Duties**

Duties include teaching at the undergraduate and graduate levels, advising undergraduate students, as well as contributing to service to Stevens and to the professional community.

**Basic Qualifications**

Applicants must possess a doctoral degree in a related engineering or science discipline prior to commencement of employment. To apply, please submit your package as a single PDF file that contains your curriculum vita, teaching statement, and contact information for 3 references online at [Stevens/SSE Career Opportunities](Stevens/SSE Career Opportunities). If you have any questions, please direct your inquiries to Prof. Carlo Lipizzi at clipizzi@stevens.edu.

Review of applications will commence immediately and continue until the position is filled.

**About the School**

The School of Systems and Enterprises (SSE) at Stevens Institute of Technology
is a leading institution in systems innovation and research located in Hoboken, New Jersey, a vibrant city with a population of 54,000 on the Hudson River directly across from New York City. Ranked amongst the top graduate programs in Industrial, Systems, and Software Engineering by the US News and World Report, faculty in SSE embrace diverse careers with both academic and industry experience. Stevens Institute of Technology is an Equal Opportunity Employer. SSE is home to the Systems Engineering Research Center (SERC), a University-Affiliated Research Center of the US Department of Defense that leverages the research and expertise of senior lead researchers from 22 collaborator universities throughout the United States. The School of Systems and Enterprises at Stevens values diversity and seeks candidates who can contribute to a welcoming climate for students of all races and genders. Stevens is committed to equitable practices and policies. We strongly encourage qualified women and minority candidates to apply.

Stevens Institute of Technology

Spring 2022 - Teaching Track Faculty Position in Systems and Enterprises

The School of Systems and Enterprises (SSE) at Stevens Institute of Technology invites applications for a teaching-track faculty position, starting Spring 2022 or on a mutually agreed upon date. Successful candidates will contribute to a dynamic and growing educational program in the areas of software engineering, space engineering, complex systems, and underlying enabling technologies, such as machine learning, data engineering, and embedded systems. The individual is expected to deliver a first-class teaching experience that offers undergraduate and graduate students an exceptional, practice-based, and research-supported education that translates immediately into expertise that students can take to the workplace.

**Job Duties**

Faculty duties include teaching at the undergraduate and graduate levels, advising and mentoring graduate students, conducting externally-funded research, as well as contributing to service to Stevens and to the professional community.

**Basic Qualifications**

- Applicants must possess a doctoral degree in a related engineering or science discipline prior to commencement of employment.
- At least five years of relevant teaching or related instructional experience in a university or comparable setting.
- At least five years of relevant industry-based professional expertise that translates into educating students for the workplace.
- Experience with advising and/or mentoring desirable.
- Excellent oral and written communication skills.

**SSE Submission Guidelines**

To apply, please submit your package as a single PDF file that contains your curriculum vita, research statement, teaching statement, and contact information for 3 references online at Stevens/SSE Career Opportunities. If you have any questions, please direct your inquiries to Prof. Carlo Lipizzi at clipizzi@stevens.edu. Review of applications will commence immediately and continue until the position is filled.

**About the School**

The School of Systems and Enterprises (SSE) at Stevens Institute of Technology is a leading institution in systems innovation and research located in Hoboken, New Jersey, a vibrant city with a population of 54,000 on the Hudson River directly across from New York City. Ranked amongst the top graduate programs in Industrial, Systems, and Software Engineering by the US News and World Report, faculty in SSE embrace diverse careers with both academic and industry experience. Stevens Institute of Technology is an Equal Opportunity Employer. SSE is home to the Systems Engineering Research Center (SERC), a University-Affiliated Research Center of the US Department of Defense that leverages the research and expertise of senior lead researchers from 22 collaborator universities throughout the United States. The School of Systems and Enterprises at Stevens values diversity and seeks candidates who can contribute to a welcoming climate for students of all races and genders. Stevens is committed to equitable practices and policies. We strongly encourage qualified women and minority candidates to apply.
Stevens Institute of Technology

Teaching Faculty Positions in Computer Science

The Department of Computer Science in the Charles V. Schaefer, Jr. School of Engineering and Science (SES) at Stevens Institute of Technology (Stevens) invites applications for non-tenure-track, teaching faculty positions to begin in August of 2022. The department especially encourages candidates with strong backgrounds in theoretical computer science, systems and security but will consider applications in all areas of computer science.

Applicants must have earned a Ph.D. in Computer Science or a related discipline. The rank of the appointment will depend on experience and qualifications. Successful candidates are expected to have a strong commitment to excellence in teaching at both the graduate and undergraduate level. They are also expected to advise students, supervise them in research, and contribute to the highly interdisciplinary, collaborative, diverse, innovative, and entrepreneurial culture at Stevens.

The Department of Computer Science is home to 30 full-time faculty members, including 18 hired in the last five years, approximately 1700 undergraduate and graduate students and is the prime occupant of the Institute’s new $45 million state-of-the-art academic building. Faculty research is supported by the NSF including several CAREER awards, NIH, NSA, ONR, DARPA, and other federal and private funding sources and is carried out by a vibrant group of Ph.D. students, which has grown by 50% in the last few years. The department is home to research labs in AI, machine learning, computer vision, big data analytics, programming languages, cryptography, computer security and software systems, and is a main constituent of the Stevens Institute for Artificial Intelligence (SIAI). SIAI is a new, interdisciplinary research center that brings together over 50 faculty members from most schools and departments at Stevens.

Stevens Institute of Technology is a private university located in Hoboken, New Jersey. The 55-acre campus is on the Hudson River across from midtown Manhattan within a few minutes from NYC via public transportation. Stevens’ superb location offers excellent opportunities for collaboration with nearby universities and major corporate research laboratories.

Stevens values diversity and seeks candidates who will contribute to a welcoming and inclusive environment for students, faculty, and staff of all backgrounds. We are an NSF ADVANCE institution committed to equitable practices and policies, and strongly encourage applications from women, racial and ethnic minority candidates, veterans, and individuals with disabilities.

Applications will be accepted until the positions are filled. Applications received by March 15, 2022 will receive full consideration.

All applications must be submitted electronically at https://academicjobsonline.org/ajo/stevens. For any questions, please contact the Search Committee Chair, Professor Sandeep Bhatt, at sandeep.bhatt@stevens.edu.
Stevens Institute of Technology

Tenure-Track Faculty Positions in Computer Science

The Department of Computer Science in the Charles V. Schaefer, Jr. School of Engineering and Science (SES) at Stevens Institute of Technology (Stevens) invites applications for tenure-track and tenured positions in all areas of computer science at the assistant, associate, and full professor ranks. We encourage applicants with expertise in our existing core areas of research including computer vision, cyber security, and AI/ML, in addition to candidates who can expand our research program significantly in HCI and algorithmic bias/fairness. Stevens offers an intellectually vibrant, diverse, highly interdisciplinary, collaborative, innovative, and entrepreneurial community and is a great place to work.

Applicants should have earned a Ph.D. in computer science or a related discipline. Candidates are expected to demonstrate a commitment to teaching and mentorship at both the undergraduate and graduate levels, including working with students from underrepresented groups. Successful candidates will have the potential to develop an externally funded research program, supervise graduate students in research, and contribute to the highly interdisciplinary, collaborative, diverse, innovative, and entrepreneurial culture at Stevens. Candidates applying at the rank of Associate or Full should have a track record of success in scholarship, funded research, teaching, mentoring, and contributing to diversity, equity, and inclusion.

The Department of Computer Science is home to 30 full-time faculty members, including 18 hired in the last five years, approximately 1,700 undergraduate and graduate students. As the fastest growing department at Stevens, we are the primary occupant of a new $45 million state-of-the-art academic building. Faculty research is supported by the NSF including 5 CAREER awards, NIH, NSA, ONR, DARPA including one DARPA Young Faculty Award, and other federal and private funding sources and is carried out by a vibrant group of Ph.D. students, which has grown by 50% in the last few years. The Department is home to research labs on AI, machine learning, computer vision, big data analytics, programming languages, cryptography, computer security, and software systems, and is the main constituent of the Stevens Institute for Artificial Intelligence (SIAI). SIAI is a new, interdisciplinary research center that brings together over 50 faculty members across the University.

Stevens Institute of Technology is a private university located in Hoboken, New Jersey. The 55-acre campus is on the Hudson River across from midtown Manhattan within a few minutes from NYC via public transportation. Stevens’ exciting location offers unlimited opportunities for collaboration with nearby universities and major corporate research laboratories.

Stevens values diversity and seeks candidates who can contribute to a welcoming and inclusive environment for students, faculty, and staff of all backgrounds. We are an NSF ADVANCE institution committed to equitable practices and policies and strongly encourage applications from women, racial and ethnic minority candidates, veterans, and individuals with disabilities.

Stevens Institute of Technology is an Equal Opportunity Employer. Accordingly, Stevens adheres to an employment policy that prohibits discriminatory practices or harassment against candidates or employees based on legally impermissible factors including, but not necessarily limited to, race, color, religion, creed, sex, national origin, nationality, citizenship status, age, ancestry, marital or domestic partnership or civil union status, familial status, affectional or sexual orientation, gender identity or expression, atypical cellular or blood trait, genetic information, pregnancy or pregnancy-related medical conditions, disability, or any protected military or veteran status. Stevens is building a diverse faculty, staff, and student body and strongly encourages applications from female and minority candidates, as well as veterans and individuals with disabilities. Stevens is a federal contractor under the Vietnam Era Veterans’ Readjustment Assistance Act (VEVRAA) and the Rehabilitation Act of 1973, as well as other federal statutes.

Applications will be accepted until the positions are filled. Review of applications will begin on December 1, 2021. All applications must be submitted electronically at https://academicjobsonline.org/ajo/stevens.

Please submit a cover letter, curriculum vitae, a research statement, a teaching statement that includes teaching
The Department of Computer Science currently has ten tenure-track faculty and five visiting faculty. Faculty teach both introductory courses and advanced courses in their research areas. Our majors and minors are much more diverse than the national averages in CS and 35% of our majors are women. We have grown significantly in both faculty and students in the last five years. Presently, we are one of the most popular majors at the College and we expect that 15% of students (66 total) graduating from the College in the 2021-22 academic year will be Computer Science majors.

Located in the suburbs of Philadelphia and near Wilmington DE, Swarthmore College is a highly selective liberal arts college whose mission combines academic rigor with social responsibility. Swarthmore has a strong institutional commitment to diversity, and actively seeks and welcomes applications from candidates with exceptional qualifications, particularly those with demonstrable commitments to a more inclusive society and world. Applicants from traditionally underrepresented groups are strongly encouraged to apply. For more information on Faculty Diversity and Excellence at Swarthmore, see [http://www.swarthmore.edu/faculty-diversity-excellence/information-candidates-new-faculty](http://www.swarthmore.edu/faculty-diversity-excellence/information-candidates-new-faculty).

**Qualifications**

Applicants must have a Ph.D. in Computer Science or expected by Fall 2022. Applicants strong in any area of computer science will be considered.

**Application Instructions**

Applicants should apply via Interfolio [apply.interfolio.com/95027](http://apply.interfolio.com/95027). Applicants should include a brief cover letter describing their interest in teaching at an undergraduate institution, previous teaching experience, and approach to teaching and mentoring students from diverse backgrounds. The research statement should describe the applicant’s program of research (including research interests, recent and current research, and anticipated areas for future work) and its potential to engage undergraduate students. Relevant experience mentoring students on empirical research should be described in the teaching and/or research statement. At least one letter of recommendation should comment specifically on teaching. Applications will not be considered until letters of recommendation have been submitted. Please address any questions you may have to Kathy Reinersmann at kreiner1@swarthmore.edu.

All applications received by 15 November 2021 will receive full consideration, and review of applications will continue until the position is filled.

**Application Process**

This institution is using Interfolio’s Faculty Search to conduct this search. Applicants to this position receive a free Dossier account and can send all application materials through the system.

---

**Swarthmore College**

*Assistant Professor of Computer Science*

**Description**

The Department of Computer Science at Swarthmore College invites applications for a tenure-track position at the rank of Assistant Professor to begin Fall semester 2022. Applicants must have a Ph.D. in Computer Science, or expected by Fall 2022. All areas of computer science will be considered, though we are especially interested in areas that complement our existing offerings, including systems areas, algorithms, theory, and interdisciplinary research in the humanities and social sciences. The typical teaching load is two courses and three affiliated lab sections per year split between introductory/intermediate courses and upper-level courses. Swarthmore College offers competitive start-up packages to support faculty research and teaching, funds for travel to professional meetings, summer support of undergraduate research collaborators, and a generous sabbatical policy.
materials, including confidential letters of recommendation, free of charge.

Equal Employment Opportunity Statement

Swarthmore College actively seeks and welcomes applications from candidates with exceptional qualifications, particularly those with demonstrable commitments to a more inclusive society and world. Swarthmore College is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

Syracuse University

Assistant Teaching Professor Position in Computer Science or Computer Engineering

Job Description

Syracuse University’s Department of Electrical Engineering and Computer Science (http://eecs.syr.edu) invites applications for Assistant Teaching Professor or Associate Teaching Professor, committed to inclusive excellence and innovative teaching.

Teaching responsibilities will include a range of undergraduate and graduate courses in Computer Science and Computer Engineering. In particular, we seek candidates who have the expertise and desire to teach in one or more of the following areas: software engineering and implementation (software engineering models, Agile development, UML, etc.), object-oriented design, computer organization and architecture, systems programming, mobile app development, and general programming (such as C++, Java, and Python). Candidates with extensive experience in programming and undergraduate teaching will be considered favorably. Teaching faculty are integral members of the EECS department who are expected to make significant contributions to the department’s teaching, advising, curriculum design, and assessment activities.

Qualifications & Responsibilities

A doctoral degree in Computer Science, Computer Engineering, or a related discipline is strongly preferred. Candidates with an MS degree and excellent teaching experience can apply. We strongly encourage applications to show a demonstrated commitment to diversity, inclusion, and excellence in teaching.

How to Apply

For full consideration, candidates must complete an online application and electronically attach a cover letter, curriculum vitae emphasizing teaching experience, teaching statement, and contact information of three professional references through https://www.sujobopps.com/postings/89579. To be competitive, we strongly encourage candidates to apply early. The review of applications will continue until the position is filled. For additional information, please contact the search committee via email at eecssearch@syr.edu.

Syracuse University is an equal opportunity/a‐rmative action employer with a strong commitment to equality of opportunity and a diverse workforce. Women, military veterans, individuals with disabilities, and members of other traditionally underrepresented groups are encouraged to apply.

Tennessee Technological University

Faculty Positions in Computer Science

The Department of Computer Science at Tennessee Tech University seeks applicants for both tenure-track and lecturer positions. These faculty positions continue the University’s multi-year investment in hiring more than 10 faculty for this fast-growing department. The Department is home to the National Women in Cybersecurity Conference (WICYS) and has a strong commitment to diversity, equity, and inclusion (DEI). More information on the Department’s DEI efforts are available at: https://www.tntech.edu/engineering/programs/csc/diversity.php.

The tenure-track position is open to applicants from all areas of computer science with a preference for expertise in software engineering, software engineering education, programming languages, computer systems, or theoretical computer science. Duties include teaching undergraduate and graduate courses, engaging in scholarly activities, developing externally funded research programs, directing student research, serving on committees, engaging in professional service, and advising students. Applicant must have an earned Ph.D. from an accredited institution in computer science or a closely related field by the start date of employment; an ability and desire to strive for teaching excellence at the undergraduate and
Professional Opportunities

graduate levels; potential to develop and conduct externally funded research; engagement in scholarly activities as demonstrated by peer-reviewed journal and conference publications; effective communication and interpersonal skills; and an ability to teach using multiple delivery methods, including online.

Tenure-track direct application link: https://jobs.tntech.edu/postings/13555

The lecturer positions are open to all areas of computer science with a preference for applicants with an ability to contribute to improving the career readiness of software developers by cultivating skills in programming, DevOps, software engineering, teamwork, or professional communication. Duties include teaching a full load of courses including course preparation, grading, and supervision of teaching assistants and graders; serve on committees and other service in the department. Applicants must have a Master’s degree from an accredited institution in computer science or a closely related field by the start date of employment, an ability for teaching excellence at the undergraduate level, effective communication and interpersonal skills, and an ability to teach using multiple delivery methods, including online.

Lecturer direct application link: https://jobs.tntech.edu/postings/13546

The University has about 10,000 students and is located in the city of Cookeville in picturesque Middle Tennessee. Centrally located among three of Tennessee’s largest cities and located within minutes of multiple lakes and state parks. Cookeville offers the best of rural and urban living. The Computer Science Department is located in the University’s College of Engineering and will have a significant presence in the college’s new Ashraf Islam Engineering Building, currently under construction. More information about the Department and available positions at https://www.tntech.edu/engineering/programs/csc/index.php

Tennessee Tech is committed to a diverse workforce by fostering an inclusive work environment for students, faculty, and staff. Successful candidates should have a demonstrated commitment and contribution to fostering and advancing equity, diversity and inclusion. Tennessee Tech is an Equal Opportunity/Affirmative Action employer.

Tenure-track applications will be reviewed on a rolling basis beginning January 1, 2022, and lecturer applications will be reviewed on a rolling basis beginning on February 1, 2022.

Other positions as available at https://jobs.tntech.edu/

Texas State University
San Marcos, Texas
Department of Computer Science
Assistant/Associate Professor

The Department of Computer Science invites applications for three tenure-track Assistant or Associate Professor positions and one Lecturer or Senior Lecturer position to start on September 1, 2022, subject to availability of funds. Consult the department’s employment page at https://cs.txstate.edu/employment/faculty/ for additional information and to apply.

Texas State University is an Equal Employment Opportunity/Affirmative Action Employer, committed to inclusive thought and action in support of our diverse community. Individuals from historically underrepresented groups and all those who share our commitment to inclusivity and passion for the strength of our diversity are strongly encouraged to apply.

Employment with Texas State University is contingent upon the outcome of record checks and verifications including criminal history, driving records, education records, employment verifications, reference checks, and employment eligibility verifications.

Texas State University is a tobacco-free campus. Smoking and the use of any tobacco product will not be allowed anywhere on Texas State property or in university owned or leased vehicles.

Texas State University is a member of the Texas State University System.

Towson University
The Jess And Mildred Fisher College of Science And Mathematics
Department of Computer and Information Sciences
Assistant Professor

The Jess and Mildred Fisher College of Science and Mathematics invites applications for four full-time, tenure-track, Assistant Professor position in the Department of Computer and Information Sciences.
Professional Opportunities

Sciences beginning August 2022. PhD, or comparable terminal degree in Computer Science, Information Systems, Software Engineering or a related field. Highly qualified applicants in all areas of computing will be considered. Candidates with an expertise in two sets of areas are strongly encouraged to apply.

1. Software engineering in general, software testing, requirements engineering, and/or software development are strongly encouraged to apply.
2. An expertise in system and/or network security, secure coding, forensics, and reverse engineering.

The CIS department has research and teaching strengths in all the above areas, and we are looking to grow our research cluster. The selected candidate is expected to teach undergraduate and graduate courses, develop strong research programs, mentor undergraduate and graduate students, apply for external funding, and participate in department activities.

Review of applications begins December 2, 2021 and continues until the positions are filled.

Click HERE to view the full ad and apply.

Tulane University

Faculty Positions in Computer Science at Tulane: Yahoo! Founder Chair, Assistant Professor, Professor of Practice

The Department of Computer Science at Tulane University invites applications for faculty positions at multiple levels beginning in Fall 2022: The Yahoo! Founder Chair, Assistant Professor, and Professor of Practice. We welcome and encourage applications from members of underrepresented groups. Our friendly, collaborative, and growing department currently has 9 tenure-track/tenured faculty and two Professors of Practice, and we anticipate reaching 15 faculty within 2-3 years. We take pride in focusing equally on both computer science and interdisciplinary applications; our current faculty are engaged in collaborative research with colleagues in the School of Science and Engineering, the School of Liberal Arts, and the Health Sciences.

Yahoo! Founder Chair
We encourage applications from senior colleagues whose research is related to data science, broadly understood. The successful candidate for this pivotal appointment will provide leadership by enhancing existing research collaborations and establishing new ones within the Department of Computer Science, within the School of Science and Engineering, and across other Tulane schools, centers, and institutes. The successful candidate will have excellent research credentials nationally and internationally, a record of substantial research funding, experience leading multidisciplinary research projects, a record of excellent teaching at the undergraduate and PhD levels, and a demonstrated commitment to diversity, equity, and inclusion.

Assistant Professor
The department is looking to expand expertise in areas not currently represented in the department, with a focus on systems and data intensive computing. Areas of interest include, but are not limited to, computer and network systems, cloud computing, IoT, as well as databases, visualization, HCI. We especially encourage applications from colleagues who have had a postdoctoral experience establishing their research program. This position is subject to final administrative approval.

Professor of Practice
Tulane Professors of Practice are faculty who design, enhance, and teach primarily undergraduate courses, and provide departmental and university service. Their term appointments are renewable every three years (initially) and every five years after promotion to Senior Professor of Practice. The typical teaching load is three courses per semester (two preps): with undergraduate teaching assistants and graduate lab instructors available. Tulane recognizes and rewards innovative and quality teaching.

Candidates interested in creating and adopting pedagogical innovations, conducting scholarly activity in computer science education, or developing original elective courses will find many opportunities and support to pursue their interests. The successful candidate will have a record of excellent teaching and mentoring at the undergraduate level, and commitment to student-centered teaching and to increasing diversity in computing. This position is subject to final administrative approval.

Application Instructions
Review of applications for all positions will begin January 1, 2022, and will continue until the positions are filled.
Professional Opportunities

Yahoo! Founder Chair: Potential candidates for this position are encouraged to contact Professor Carola Wenk, chair of the department, at cwenk@tulane.edu about their candidacy. Please submit a CV, statements on research and teaching, and at least three letters of recommendation at apply.interfolio.com/89722

Assistant Professor: Please submit a CV, statements on research and teaching, and at least three letters of recommendation at apply.interfolio.com/96269

Professor of Practice: Please submit a CV, a teaching statement including teaching evaluations, and at least three letters of recommendation that address teaching at apply.interfolio.com/96257

Tulane University is located in New Orleans - a city with tremendous history of diverse cultures, community, and languages. Tulane is actively building a campus culture grounded in our values of EDI and anti-racism. We seek and welcome candidate applications from historically underrepresented groups, such as BIPOC (Black, Indigenous, People of Color), women, LGBTQ+, and those living with disabilities as well as veterans.

Tulane University is an Equal Employment Opportunity/Affirmative Action institution committed to excellence through diversity. Tulane University will not discriminate based upon race, ethnicity, color, sex, religion, national origin, age, disability, genetic information, sexual orientation, gender identity or expression, pregnancy, marital status, military or veteran status, or any other status or classification protected by federal, state, or local law. All eligible candidates are encouraged to apply.

U.S. Naval Academy

Faculty Positions in Cyber Science

The U.S. Naval Academy invites applications for tenure-track faculty positions at all ranks in the Department of Cyber Science, beginning as early as July 2022.

The Cyber Science Department operates the Academy’s growing cybersecurity education initiatives, including a rapidly growing Cyber Operations major that is both ABET-accredited and designated as a Center of Academic Excellence in Cyber Operations (CAE-CO) by the National Security Agency - and a brand new, state-of-the-art building to support multi-disciplinary cybersecurity education and research.

The requirements of the positions include teaching and developing undergraduate cyber operations courses and academic research. Candidates should have experience in technical areas such as network security, systems security engineering, industrial control systems security, reverse engineering, cryptography, secure software development, web security, or database security.

A Ph.D. or other terminal degree in a cyber technology-relevant field (which includes fields such as Computer Science, Information Technology, Information Science, Computer Security, Computer Engineering, and Electrical Engineering) is required.

For full details and application instructions see: https://www.usna.edu/HRO/jobinfo/Tenure-track-Cyber-AY22.php

U.S. Naval Academy

Assistant Professor in Computer Science / Data Science (Tenure Track)

The U.S. Naval Academy’s Computer Science Department invites applications for a tenure track position at the rank of Assistant Professor, to begin late July 2022. A Ph.D. in Computer Science, Data Science, or closely related field is required. Applications are encouraged from all relevant topical areas.

The Naval Academy features a diverse set of students representing every part of the United States and a number of other countries, drawn together by a desire to serve in their future careers. As part of this culture, the Computer Science Department is committed to recruiting and supporting a diverse and inclusive faculty. We therefore encourage qualified applicants from all backgrounds to apply for consideration.

Applicants must have a dedication to teaching at the undergraduate level and a strong research program. Note that no military background is needed as this is a civilian faculty position.

The department offers a Computer Science major (with 150 current students), and also leads a new interdisciplinary major in Data Science. We currently have a faculty of 16. The successful applicant can expect small class sizes (typically 10-20 students), a highly collaborative and collegial department, numerous opportunities for internal and external research collaboration, competitive compensation (including 10 months salary plus support for possible internal and
United States Naval Academy

Distinguished Visiting Professor of Data Science/Computer Science

The U.S. Naval Academy’s Computer Science Department invites applications for two distinguished visiting professor positions: (1) the Sammon Distinguished Visiting Professor in Data Science, and (2) the RADM Frank Leighton and Class of 1948 Distinguished Visiting Professor in Computer Science. A Distinguished Visiting Professor is expected to have a strong reputation and technical expertise in Computer Science, Data Science, or a closely related field. These positions are anticipated to begin in late July 2022. A Ph.D. in Computer Science, Data Science, or closely related field is required. Applications are encouraged from all relevant topical areas. The positions are anticipated to begin in late July 2022. Some examples of people who could thrive in these positions:

• Academic faculty on sabbatical
• Non-profit leaders in computing-related fields
• Senior government employees from related agencies
• Professionals currently in practice with interesting and relevant industry experience
• Professionals nearing retirement who are interested in a different way of further contributing to their field

See https://www.usna.edu/HRO/jobinfo/Tenure-track-CompSci-AY22.php for more details and application requirements. U.S. Citizenship is required. Review of applications has begun and will continue until the position is filled.

University of Alabama in Huntsville

Assistant/Associate Professor of Computer Science

ABOUT THE POSITION:

The Department of Computer Science at The University of Alabama in Huntsville (UAH) invites applicants for two tenure-track faculty positions, one at the Assistant Professor level (POSITION 1) and one at the Assistant/Associate Professor level (POSITION 2) beginning August 2022. Desired areas of research are cybersecurity and data science. Candidates who have a secondary area of interest in software engineering, theory, modeling and simulation, databases, or operating systems are desirable. Outstanding candidates in other areas will also be considered. Candidates will be expected to seek funding from agencies such as the U.S. Department of Defense or Department of Justice or the National Aeronautics and Space Administration (NASA), due to UAH’s proximity to Redstone Arsenal. Ideally, a candidate should have a background with one or more of these U.S. government agencies.

A Ph.D. in computer science or a closely related area is required. The successful candidate will have a strong academic background and be able to secure and perform funded research in areas typical for publication in well-regarded academic conference and journal venues. In addition, the candidate should embrace the opportunity to provide undergraduate education.

The department has a strong commitment to excellence in teaching, research, and service; the candidate should have good communication skills, strong teaching potential, and research accomplishments.

The Computer Science department offers BS, MS, and Ph.D degrees in Computer Science and contributes to interdisciplinary graduate degrees in cybersecurity and software engineering. Faculty research interests are varied and include cybersecurity, mobile computing, data science, software engineering, visualization, graphics and game computing, AI, image processing, pattern recognition, and distributed systems. The annual NSF Higher Education Research and Development (HERD) survey ranked UAH as #11 in federally-financed computer and information sciences research expenditures.

APPOINTMENT DATE: Fall, 2022

ABOUT THE COLLEGE:

The UAH College of Science advances cutting-edge research and offers first-rate degree programs thanks to our distinguished faculty and state-of-the-art facilities. Our location in Huntsville
facilitates partnerships and collaborations with NASA, the US Army, NOAA, the HudsonAlpha Institute of Biotechnology, and the numerous high-tech companies located in Cummings Research Park, the second largest research park in the country. College of Science students enjoy the benefits of a research-intensive institution in a medium-sized university.

ABOUT THE UNIVERSITY:
The University of Alabama in Huntsville, classified as a High Research Activity institution, offers academic and research programs in the Colleges of Arts, Humanities, and Social Sciences; Business; Education; Engineering; Nursing; Professional Studies; and Science. [https://www.uah.edu/about](https://www.uah.edu/about)

ABOUT HUNTSVILLE:
Huntsville (known as “Rocket City”) maintains one of the highest per capita incomes and standards of living in the Southeast, and is a culturally diverse community. It is a national center of aerospace and high technology research and is home to NASA’s Marshall Space Flight Center. U.S. News recently ranked Huntsville as the third best place to live in 2021-2022 among the 150 most populous metro areas in the country. Huntsville offers a variety of educational, recreational, and cultural opportunities.

APPLICATION PROCEDURE AND DEADLINE:
Interested parties must submit a detailed resume with references to info@cs.uah.edu or Chair, Search Committee, Dept of Computer Science The University of Alabama in Huntsville, Huntsville, AL 35899.

Qualified female and minority candidates are encouraged to apply. Initial review of applicants will begin as they are received and continue until a suitable candidate is found.

The University of Alabama in Huntsville is an affirmative action/equal opportunity employer of minorities/ females/ veterans/ disabled.
UAH mandates that all employees maintain compliance with current federal regulations.

Please refer to log number: POSITION 1: 22-23-565, POSITION 2: 22-23-566

The University of Alabama
Cyber Security Faculty Position

The Computer Science Department at The University of Alabama invites applicants to join our faculty at the Assistant Professor rank, beginning August 2022. We are interested in applicants with expertise in areas related to Cyber Security who can collaborate with and complement our faculty research. Outstanding candidates from all areas of Cyber Security will be considered. At the time of appointment, candidates must have earned a Ph.D. in Computer Science or a closely related field. Successful applicants are expected to show the ability to construct a quality research program, to effectively collaborate with other faculty, and to excel at teaching at both the graduate and undergraduate levels. Applicants should apply online at https://facultyjobs.ua.edu/postings/49492

For additional information, please contact Dr. Travis Atkison, Department of Computer Science, The University of Alabama, Box 870290, Tuscaloosa, Alabama 35487-0290, Phone: (205) 348-4740, E-mail: atkison@cs.ua.edu

University of Arizona
Assistant or Associate Professor of Computer Science

The Department of Computer Science at the University of Arizona invites applications for a tenure-track faculty position in all areas of computer science at the rank of Assistant or Associate Professor.

The Department has a long history of research accomplishment, influential software distribution, and substantial external funding. Current research areas include algorithms, bioinformatics, compilers, computational geometry, databases, high-performance computing, machine learning, natural language processing, networks, operating systems, security, vision, and visualization. More information about the University of Arizona and its environs is available at https://talent.arizona.edu.

To apply, complete an online application at https://bit.ly/3oYhUog

Be sure to upload: (1) a cover letter; (2) your curriculum vitae; (3) a research statement; (4) a teaching statement; (5) a diversity and inclusion statement that discusses past and anticipated contributions to diversity, equity, and inclusion in the areas of research, teaching, and/or outreach; and (6) contact information for at least three references.

The University of Arizona is an EO/AA employer-M/W/D/V.

Review of applications will begin January 3, 2022 and continue until the position is filled. Please email search@cs.arizona.edu if you have questions or need assistance.

University of Arizona
Lecturers, Senior Lecturers, and/or Principal Lecturers in Computer Science

The Department of Computer Science at the University of Arizona is accepting applications from dedicated educators for non-tenure-eligible, Lecturer-Track (also known as Career-Track) faculty positions at all ranks. Teaching faculty are vital to the department’s mission and are appointed with the expectation of long-term employment. The typical teaching load is two courses in each of the Fall and Spring semesters, but factors such as class size may reduce that load. Lecturers at all ranks teach both core and elective undergraduate courses, based on their interests and department needs, and actively participate in departmental faculty meetings, decision-making, planning, and service.

Career-Track faculty positions offer a well-defined promotion path. Applicants must have earned, or expect to complete, either an M.S. or a Ph.D. in Computer Science or a closely-related discipline by the time of appointment. Applicants will be considered for appointment at the Lecturer, Senior Lecturer, or Principal Lecturer ranks based on experience and evidence of teaching quality and effectiveness.

As of Fall 2021, the Department of Computer Science has 31 faculty members, including nine Career-Track faculty (four Lecturers, four Senior Lecturers and one Principal Lecturer). The Department has a long history of excellent undergraduate and graduate instruction and research accomplishment with a diverse and enthusiastic student body.
The University of Arizona’s main campus is in Tucson, the heart of a metropolitan area of over a million people surrounded by five mountain ranges. Tucson boasts a warm desert climate, 350 sunny days per year, and a wide variety of outdoor activities. More information about the University and its community is available at whyUA.arizona.edu.

To apply, complete an online application at the UA Human Resources website. The link for these positions is https://bit.ly/3pQJft2. Be sure to include, as directed, (a) your curriculum vitae, (b) a statement of your teaching philosophy and interests, and (c) the names and contact information of at least three professional references.

The University of Arizona is an EO/AA employer-M/W/D/V.

Review of applications will begin immediately and will continue until the positions are filled. Please email lecturersearch@cs.arizona.edu if you have any questions or need assistance.

Position Highlights
The Department of Systems and Industrial Engineering (SIE) at the University of Arizona invites applications and nominations for a tenure-track position in Software Engineering at all levels (Assistant, Associate, and Full) with an anticipated start date of August 2022. Specific areas of interest include (1) Software Requirements Analysis and Testing, (2) Software Assurance, Quality, and Reliability, (3) Formal Methods in Software Engineering, (4) Software Project Management, and (5) Artificial Intelligence in Software Engineering. Candidates for senior ranks must have a distinguished record of published research, demonstrate significant impact on the profession, and success at securing funding to support a research program.

Outstanding UA benefits include health, dental, and vision insurance plans; life insurance and disability programs; sick leave and holidays; UA/ASU/NAU tuition reduction for the employee and qualified family members; state and optional retirement plans; access to UA recreation and cultural activities; and more!

University of Arizona
Assistant, Associate, Or Full Professor, Systems And Industrial Engineering (SFWE)

Posting Number: req7321
Department: Systems and Industrial Engr
Department Website Link: https://sie.engineering.arizona.edu/
Medical Sub-Specialty

Location: Main Campus
Address: Tucson, AZ USA

Duties & Responsibilities
The successful candidate will be expected to establish a strong research program, help define and grow the newly established Software Engineering undergraduate degree program, teach undergraduate and graduate courses, and contribute to mentoring students, including those from traditionally underrepresented backgrounds. The successful candidate will also be expected to contribute to an environment that nurtures collaboration among researchers across the College and University. The successful candidate will also participate in outreach and contribute to departmental, college, and university service. In these, and other ways, the faculty member will help to develop innovative approaches to enhancing student engagement, increasing diversity, ensuring equity, and expanding collaborations with community and business partners.

Knowledge, Skills and Abilities
Candidates are expected to have excellent oral and written communication skills.

Minimum Qualifications
Candidates must have a Ph.D. or equivalent in hand by the time of hire in Systems Engineering, Industrial Engineering, Operations Research, Engineering Management, or a related field.

Candidates for the Associate or Full Professor rank must have a distinguished record of published research, demonstrate significant impact on the profession and success at securing funding to support a research program.

Preferred Qualifications
It is desired that candidates have some teaching experience.
University of British Columbia, Vancouver

Canada Research Chair (Tier 2) Assistant Professor Tenure Track Position

The Department of Computer Science at the University of British Columbia, Vancouver invites applications for a tenure-track faculty position. The successful applicant will be appointed at the level of Assistant Professor and will be nominated for a Tier 2 Canada Research Chair in the area of quantum computing, sponsored by the Natural Sciences and Engineering Research Council (NSERC). We invite applications from candidates of outstanding scientific talent in areas of quantum computing that relate closely to computer science. Appointment at the rank of Associate Professor may be considered for eligible applicants with exceptional qualifications.

UBC Computer Science ranks among the top departments in North America, with a strong record of excellence in research and in graduate and undergraduate teaching. For details, see https://www.cs.ubc.ca/about/numbers-2021. Quantum computing is a thriving research area at UBC. The successful applicant will have the opportunity to collaborate with colleagues working in areas related to quantum computing in the departments of Physics and Astronomy, Electrical and Computer Engineering, Mathematics, and Chemistry. The environment is further strengthened by UBC’s Stewart Blusson Quantum Matter Institute and BC’s newly founded Quantum Algorithms Institute (https://quantumalgorithms.ca/).
Applicants must hold a Ph.D. in Computer Science or a related area by the start date of the appointment. If appointed at the rank of Assistant Professor, the successful candidate will have demonstrated evidence of ability in teaching, evidence of ability in scholarly activity, and will be expected to provide service to the University and the broader academic and professional community. If appointed at the rank of Associate Professor, the successful candidate will have demonstrated evidence of successful teaching and supervision of graduate students, evidence of sustained and productive scholarly activity, and must be willing to actively participate in the affairs of the Department and the University.

Applicants must meet the eligibility requirements for a Tier 2 Canada Research Chair position, which are intended for exceptional emerging scholars: candidates must have been active researchers in their field for fewer than 10 years from their degree at the time of nomination. Applicants who are more than 10 years from having earned their highest degree (and where career breaks exist, such as maternity, parental or extended sick leave, or clinical training) may have their eligibility for a Tier 2 Chair assessed through the program’s Tier 2 justification process. Please consult the Canada Research Chairs website http://www.chairs.gc.ca/ for full program information, including further details on eligibility criteria.

For the full job description, please visit our website at https://www.cs.ubc.ca/our-department/employment/canada-research-chair-tier-2-assistant-professor-tre...
there is some possibility that applications that arrive as late as January 20, 2022 might be considered.

Application packages should be submitted online at https://recruit.ucdavis.edu/JPF04532.

UC Davis is one of the top public universities in the nation. Davis, California, is a vibrant college town with excellent public schools and a Mediterranean climate, and many nearby opportunities for industrial and government collaboration, cultural activities and outdoor recreation. We encourage applicants to explore the University’s, College’s and Department’s websites. We strongly recommend that all candidates visit the UC Davis website dedicated to additional information about how application materials, including the Statement of Contributions to Diversity, Equity, and Inclusion, will be assessed carefully by the Search Committee in the screening and review process.

University of California, Davis

Tenure-Track Assistant Professor in the Department of Computer Science: Software Engineering or Programming Languages

Apply here: https://recruit.ucdavis.edu/JPF04532

As part of UC Davis’ commitment to hire leading research faculty with an outstanding commitment to teaching, research and service that will promote the success of historically underrepresented and marginalized student communities and address the needs of our increasingly diverse state and student population, the College of Engineering announces one open tenure-track position, at the Assistant Professor level, in the Department of Computer Science. Applications are encouraged from candidates with a strong background in Software Engineering or Programming Languages, and related areas.

We seek candidates with potential or demonstrated excellence in research that complements or extends existing research strengths in the Department of Computer Science and elsewhere on campus, and the potential to attract extramural funding.

Open Rank Faculty Positions in Electrical and Computer Engineering
University of California, Los Angeles

The Electrical and Computer Engineering Department in the Henry Samueli School of Engineering and Applied Science at the University of California, Los Angeles (UCLA) invites applications for open rank faculty positions. The Department is seeking outstanding candidates with a demonstrated track record in, or show exceptional promise for exceptional and innovative research, excellence in teaching, professional service, and as well as commitment to equity, diversity, and inclusion. Applications for appointments at all levels will be considered (Assistant, Associate or Full Professor).

Applicants must have an earned PhD in Electrical and Computer Engineering or closely related discipline at date of hire. While the Department will consider applications in all areas of research traditionally associated with Electrical and Computer Engineering, as well as emerging cross-disciplinary areas, we are particularly interested in the following areas:

- Semiconductor-based devices, materials, and fabrication technologies
- New paradigms for rapid design and validation of digital and mixed signal SOCs
- Computer architecture and new computing paradigms including brain and quantum inspired computing
- New directions in networking, including joint sensing/communication, machine learning, and edge computing
- Signal processing, including speech and language processing
- Perception and learning in autonomous systems

Application packages should be submitted online through https://apptrkr.com/2683353 and include the following documents: 1) curriculum vitae, 2) statement of research interest, 3) statement of contributions to equity, diversity, and inclusion, 4) statement of teaching interest, and 5) a cover letter. 3-5 references are required (contact information only).

Review of applications will begin on January 15 2022 and continue until the positions are filled.

The University of California is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the University of California Nondiscrimination & Affirmative Action Policy.

UCLA is a tobacco-free environment. For more information, please view the policy at Tobacco-Free Campus Policy
We also seek evidence of, or potential for, commitment to the advancement of diversity, equity, and inclusion for historically underrepresented and marginalized student communities. Finally, we seek evidence of a commitment to excellence in teaching at the graduate and undergraduate levels.

For fullest consideration applications must be completed by December 20, 2021; there is some possibility that applications that arrive as late as January 20, 2022 might be considered.

Application packages should be submitted online at https://recruit.ucdavis.edu/JPF04532.

UC Davis is one of the top public universities in the nation. Davis, California, is a vibrant college town with excellent public schools and a Mediterranean climate, and many nearby opportunities for industrial and government collaboration, cultural activities and outdoor recreation. We encourage applicants to explore the University’s, College’s and Department’s websites. We strongly recommend that all candidates visit the UC Davis website dedicated to additional information about how application materials, including the Statement of Contributions to Diversity, Equity, and Inclusion, will be assessed carefully by the Search Committee in the screening and review process.

University of California, Merced

Assistant Professor in Computer Science and Engineering

The Department of Computer Science and Engineering at UC Merced seeks applicants for one or more tenure-track positions at the Assistant Professor level beginning July 1, 2022. Priority will be given to candidates in the areas of: Software Engineering, Programming Languages, Operating Systems, Security and Privacy, Cryptography, Data Science, Artificial Intelligence, Machine Learning, Natural Language Processing, Theoretical Computer Science. However, exceptional candidates in all areas of computer science, computer engineering, and electrical engineering will be considered.

The Department seeks candidates who demonstrate both a record of outstanding scholarship and contributions to diversity, equity, and inclusion. We are particularly interested in attracting candidates who can contribute to the growing diversity and excellence of the community through their teaching, scholarship, and service.

The position will remain open until filled. However, to ensure consideration, applications should be received by January 3, 2022.

Applications will be submitted via https://aprecruit.ucmerced.edu/JPF01215. Inquiries and questions should be sent to csesearch@ucmerced.edu.

University of California, Riverside

Multiple Assistant/Associate/Full Professor Openings

The Department of Computer Science and Engineering at the University of California, Riverside, invites applications for multiple tenured or tenure-track faculty positions. Exceptional candidates in all areas of specialization will be considered, with preferences to the areas of Machine Learning, Artificial Intelligence, Natural Language Processing, Robotics, Graphics, Visualization, Augmented/Virtual Reality, and Bioinformatics.

The Computer Science and Engineering Department currently has 38 faculty members, including multiple ACM/IEEE/AAAS Fellows and Young Investigator/NSF CAREER award holders, who pride themselves in combining top quality teaching with cutting-edge research. The research projects in the department are funded by federal (NSF, NIH, AFOSR, DoD) or industrial sponsors, with the new awards to the department for 2020/21 exceeding $17 million dollars. The department offers several undergraduate degrees, as well as M.S. and Ph.D. degrees in Computer Science, with 200 Ph.D. students currently enrolled. Information regarding the department is available at http://wwwcs.ucr.edu.

The Marlan and Rosemary Bourns College of Engineering (BCOE) is a well-established, rapidly growing college at UCR. Ranked in the top 50 public engineering colleges by U.S. News & World Report, BCOE has 130 faculty members, more than 3,100 undergraduate students, 900 graduate students, and more than $46 million in total annual research expenditures. The college is home to five departments, nine undergraduate programs, seven graduate programs, and nine research centers.

Successful candidates will have a proven record of, or exceptional promise for, developing a vibrant externally-funded research program and developing a portfolio of high-quality teaching at the undergraduate and graduate levels. UC Faculty are expected to maintain an active research agenda and record of...
Professional Opportunities

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified candidates will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.

University of California COVID-19 Vaccination Program Policy

As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) University of California - San Diego

Associate or Full Professor – CSE

The UC San Diego Department of Computer Science and Engineering (CSE) invites applications for multiple tenured faculty positions at the Associate or Full Professor rank. The department is looking for exceptional candidates in all areas of Computer Science and Engineering.

We are looking for applicants with outstanding research credentials. Successful applicants are expected to lead a vigorous research program and will be required to teach university students. We are particularly seeking faculty passionate about working with graduate students and training the next generation of researchers.

Applicants must have a Ph.D. in computer science or a related area at the time of application.

Salary and rank will be commensurate with qualifications in conformance with University of California policies.

The CSE Department is committed to building an excellent, diverse, and inclusive faculty, staff and student body. In addition to the highest standards of scholarship, teaching, and professional activity, successful candidates for this position will have potential or demonstrated contributions to a climate that supports equity, inclusion, and diversity.

CSE is home to over 70 faculty and 700 graduate students who span a range of research areas in computer science, computer engineering, and bioinformatics. In addition, the department works closely with the Center for Networked Systems (CNS), the California Institute for Telecommunications and Information Technology (CalIT2), the Halicioglu Data Science Institute (HDSI), the Contextual Robotics Institute (CRI), San Diego Supercomputer Center (SDSC), and the Center for Wireless Communications (CWC), which provide unique opportunities and resources. More information can be found at http://www.cse.ucsd.edu.

We encourage candidates to send applications as soon as possible. Review of applications will commence on January 1, 2022 and continue until positions are filled.

For applicants with interest in spousal/partner employment, please see the UCSD Partner Opportunities Program.

For more information and to apply online: https://apol-recruit.ucsd.edu/JPF03001

University of California, San Diego

Assistant Professor - Quantum Computation

The Computer Science and Engineering (CSE) Department in the Jacobs School of
Engineering (JSOE) (https://cse.ucsd.edu) and The Department of Mathematics within the Division of Physical Sciences at the University of California, San Diego (http://www.math.ucsd.edu) invite applications for a cross-campus hire for a tenure-track faculty position at the rank of Assistant Professor. This search is open to applicants from all areas of computational and/or mathematical aspects of quantum computation, such as the computational complexity of quantum computation, quantum algorithms, ways to establish quantum supremacy, applications of quantum computation in the sciences, quantum error-correction, quantum communication complexity, or similar topics. Successful candidates will be expected to contribute to the development of the large undergraduate computer science and mathematics majors in the Departments of Computer Science and Engineering and Mathematics including teaching lab and lecture courses at both the graduate and undergraduate levels.

Basic Qualifications: Ph.D. in Computer Science, Mathematics, Physics, or a closely related field, prior to the first quarter of teaching.

Preferred Qualifications: a well-articulated plan of contributing to programs that increase the access and success of underrepresented students and faculty in the sciences. We especially welcome candidates who have already participated in, contributed to, or created such programs and who have a commitment to helping shape and expand the University’s diversity initiatives (http://diversity.ucsd.edu).

Salary is commensurate with qualifications and based on UC pay scales. The starting date for the position is July 1, 2022. Review of applications will commence on January 1, 2022 and continue until positions are filled.

We understand that the COVID-19 pandemic may have had a substantial impact on academic productivity. In our academic hiring processes, we will be keeping this in mind as we consider faculty achievement relative to opportunity. We encourage you to reflect on constraints on opportunity in your field that were caused by the events of the pandemic and where applicable, to discuss your achievements in this light.

For more information and to apply online: https://apol-recruit.ucsd.edu/JPF03023

University of California - San Diego

Assistant Professor – CSE

The UC San Diego Department of Computer Science and Engineering (CSE) invites applications for multiple tenure-track faculty positions at the Assistant Professor rank. The department is looking for exceptional candidates in all areas of Computer Science and Engineering.

We are looking for applicants with outstanding research credentials. Successful applicants are expected to lead a vigorous research program and will be required to teach university students. We are particularly seeking faculty passionate about working with graduate students and training the next generation of researchers.

A Ph.D. or advancement to candidacy in Computer Science & Engineering or related disciplines is required at the time of application.

Salary and rank will be commensurate with qualifications in conformance with University of California policies.

The CSE Department is committed to building an excellent, diverse, and inclusive faculty, staff and student body. In addition to the highest standards of scholarship, teaching, and professional activity, successful candidates for this position will have potential or demonstrated contributions to a climate that supports equity, inclusion, and diversity.

CSE is home to over 70 faculty and 700 graduate students who span a range of research areas in computer science, computer engineering and bioinformatics. In addition, the department works closely with the Center for Networked Systems (CNS), the California Institute for Telecommunications and Information Technology (CalIT2), the Halicioglu Data Science Institute (HDSI), the Contextual Robotics Institute (CRI), San Diego Supercomputer Center (SDSC), and the Center for Wireless Communications (CWC), which provide unique opportunities and resources. More information can be found at http://wwwcse.ucsd.edu.

We encourage candidates to send applications as soon as possible. Review of applications will commence on January 1, 2022 and continue until positions are filled.

For applicants with interest in spousal/partner employment, please see the UCSD Partner Opportunities Program.

For more information and to apply online: https://apol-recruit.ucsd.edu/JPF03000
Assistant Professor in Computer Science

Position overview
Anticipated start: July 1, 2022
Application Window
Open date: November 5th, 2021
Next review date: Wednesday, Dec 15, 2021 at 11:59pm (PST)
Apply by this date to ensure full consideration by the committee.
Final date: Thursday, Jun 30, 2022 at 11:59pm (PST)
Applications will continue to be accepted, but those received after the review date will only be considered if the position has not yet been filled.

Position description
Computing provides a powerful new lens for viewing the world. The questions of where we choose to turn this lens, and what new insights society can gain from the information provided by this lens are some of the most important questions that we can ask ourselves. UC Santa Barbara understands that this is too important to the future of our society to be left to any one population or discipline - and we are building a department ready to address these questions based on a dedicated partnership with through leaders across our campus and the world. UC Santa Barbara is a premier top 10 public research university. The Department of Computer Science is part of the highly ranked College of Engineering, which includes among its faculty three Nobel laureates and 16 members of the National Academy of Engineering.

This position is to help the University prepare our students and position the University for the future. The goal of the Stansbury Chair is to identify, recruit, and nurture a junior scholar that will emerge as one of the next generation of leaders and educators.

Qualifications
Basic qualifications (required at time of application)
- PhD degree must be conferred by the time of appointment.

Preferred qualifications
- Applicants who demonstrate research potential and have a strong commitment to teaching and diversity, PhD in Computer Science or related field, at the time of application.

Application Requirements
- Curriculum Vitae - Your most recently updated C.V.
- Statement of Research
- Statement of Teaching
- Statement of Contributions to Diversity - Successful candidates for faculty positions will demonstrate evidence of a commitment to equity and inclusion in their application materials, including the Diversity Statement. In particular, we are interested in candidates who are able to, during their term of service, contribute to the diversity and excellence of the academic community through research, teaching, and service.
- Minimum 3 letters of reference required

Reference requirements
- Reference letters will be assessed to determine commitment to teaching and diversity.
- Reference letters will be assessed to determine research potential and commitment to equity and diversity.

Lecturer PSOE/SE in Computer Science

Position overview
Anticipated start: July 1, 2022
Application Window
Open date: November 29th, 2021
Next review date: Friday, Jan 14, 2022 at 11:59pm (PST)
Apply by this date to ensure full consideration by the committee.
Final date: Thursday, Jun 30, 2022 at 11:59pm (PST)
Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Position description
The Department of Computer Science at the University of California, Santa Barbara invites applications for a Lecturer with Potential Security of Employment and Lecturer with Security of Employment (equivalent to tenure-track Teaching Professor). A successful candidate is expected to excel in undergraduate education and must demonstrate a commitment to equity and inclusion in higher education. The University is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service as appropriate to the position.

At UC Santa Barbara, Lecturers with Potential Security of Employment and Lecturers with Security of Employment carry equivalent rights and responsibilities as the traditional tenure-track faculty.

Qualifications
Basic qualifications (required at time of application)
- PhD degree must be conferred by the time of appointment.

Preferred qualifications
- Applicants who show outstanding potential and have a strong commitment to excellence in undergraduate education and innovative and effective approaches to supporting a diverse set of students, and mentoring will be preferred.

Application Requirements
- Curriculum Vitae - Your most recently updated C.V.
- Statement of Research
- Statement of Contributions to Diversity - Statement addressing past and/or potential contributions to diversity through research, teaching, and/or service.

Reference requirements
- 3 letters of reference required
- Reference letters will be assessed to determine commitment to teaching and diversity.

Contact:
coms-chair@ucsb.edu

Help contact: https://apptrkr.com/2670964
Professional Opportunities

Computer Science and Engineering: Assistant Professor - Computing

Position Overview
- Position title: Assistant Professor, Computing
- Salary range: Commensurate with qualifications and experience, academic year (nine month basis)
- Anticipated start: July 1, 2022, with the academic year beginning in September 2022. Degree requirement must be met by June 30, 2023 for employment effective July 1, 2023 and beyond.

Application Window
- Open date: October 18th, 2021
- Next review date: Monday, Jan 3, 2022 at 11:59pm (Pacific Time)
- Final date: Thursday, Jun 30, 2022 at 11:59pm (Pacific Time)

Salary Range: Assistant Professor, Computing

Position Description
The Department of Computer Science and Engineering at the University of California, Santa Cruz (UCSC) invites applications for a position at the assistant professor level. We are seeking candidates with a strong background in computer science and engineering, with a focus in system and hardware, inclusive of hardware design, computer architecture, and embedded systems.

The Department of Computer Science and Engineering is part of the Baskin School of Engineering at UC Santa Cruz. UC Santa Cruz is a member of the AAU, an association of the top research universities in the U.S. Our school has nationally and internationally known researchers in many areas, including theoretical computer science, program understanding, security, distributed systems, storage systems, computer architectures, machine learning, natural language processing, AI, data science, vision, and networking. The Baskin School of Engineering is also home to the Statistics and the Applied Mathematics departments, contributing to the richness of research ranging from data science to the statistical foundations of machine learning. Nestled in a redwood forest above the city of Santa Cruz, our beautiful campus has a long history of embracing groundbreaking interdisciplinary work. Of the ten UC campuses, our campus is the nearest to Silicon Valley and has close research ties with the local computer industry. Our proximity to Silicon Valley, and our satellite campus there, afford opportunities and avenues for collaboration with researchers working in the many research and development labs in Silicon Valley, as well as with the other San Francisco Bay Area universities.

The selected candidate is expected to develop a research program, advise graduate students in their research area, obtain external funding, develop and teach courses within the undergraduate and graduate curriculum, perform university, public and professional service, and interact broadly with the large number of researchers in Silicon Valley industrial research and advanced development labs. The successful candidate should be able to work with students, faculty, and staff from various social and cultural backgrounds, genders, and sexual orientations.

We are especially interested in candidates who can contribute to the diversity and excellence of our academic community through their research, teaching, and service. We welcome candidates who understand the barriers facing women and minoritized groups who are underrepresented in higher education careers (as evidenced by life experiences and educational background), and who have experience in equity and diversity with respect to teaching, mentoring, research, life experiences, or service towards building an equitable and diverse scholarly environment.

The chosen candidate will be expected to sign a statement representing that they are not the subject of any ongoing investigation or disciplinary proceeding at their current academic institution or place of employment, nor have they in the past ten years been formally disciplined at any academic institution/place of employment. In the event the candidate cannot make this representation, they will be expected to disclose in writing to the hiring Dean the circumstances surrounding any formal discipline that they have received, as well as any current or ongoing investigation or disciplinary process of which they are the subject. (Note that discipline includes a negotiated settlement agreement to resolve a matter related to substantiated misconduct.)

Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not at that time been filled.

Anticipated start: Computer Science and Engineering Department: includes a negotiated settlement agreement to resolve a matter related to substantiated misconduct.)

Required Qualifications:
- Ph.D. (or equivalent foreign degree) in computer science or relevant field and a demonstrated record of research. It is expected that the degree requirement will be complete no later than June 30, 2023.

Document Requirements:
- Statement of Contributions to Diversity, Equity, and Inclusion - Statement addressing your understanding of the barriers facing traditionally underrepresented groups and your past and/or future contributions to diversity, equity, and inclusion through teaching and professional or public service. Candidates are urged to review guidelines on statements (see https://apps.ucsc.edu/diversity.html) before preparing their application.
- Initial screening of applicants will be based on the Statement of Contributions to Diversity, Equity, and Inclusion.
- Curriculum Vitae: Your most recently updated CV
- Cover Letter: Letter of application that briefly summarizes your qualifications and interest in the position.
- Statement of Research
- Statement of Teaching
- Copy of Selected Publication
- Copy of Selected Publication
- Copy of Selected Publication (Optional)

Reference Requirements:
- 3-5 letters of reference required

Applications must include confidential letters of recommendation**. Please note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC’s confidentiality statement at https://apo.ucsc.edu/confstm.htm.

Help contact: mwalton@ucsc.edu

Campus Information
The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University’s equal employment opportunity policies may be directed to the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (831) 459-2686.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or subcontracts require the selected candidate to pass an E-Verify check (see https://www.uscis.gov/e-verify). The university sponsors employment-based visas for nonresidents who are offered academic appointments at UC Santa Cruz (see https://apo.ucsc.edu/policy/opencapm102_520.html).

UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact Disability Management Services at roberts@ucsc.edu (831) 459-4602.

UCSC is committed to addressing the special and partner employment needs of our candidates and employees. As part of this commitment, our institution is a member of the Northern California Higher Education Recruitment Consortium (NCal HERC) and the NorCal HERC website at https://www.herjob.org/regions/higher-education/california northern-california to search for open positions within a commutative distance of our institution.

The University of California offers a competitive benefits package and a number of programs to support employee work-life balance. For information about employee benefits please visit https://ucnet.universityofcalifornia.edu/compensation and benefits/index.html

As a condition of employment, you will be required to comply with the https://policy.ucsc.edu/sfs/500/509/5/SARS-Cov-2_Covid-19. All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Accommodation (based on Medical Exception, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. For new University of California employees, the applicable deadline is eight weeks after their first date of employment. ( Capitalized terms in this paragraph are defined in the policy.)

VISIT THE UCSC WEB SITE AT https://www.ucsc.edu

Job Location
Santa Cruz, California

To apply, visit https://apptrkr.com/2086202

UCSC is an EEO/AA/Vet/Disability/Minority Employer.
Associate or Full Professor of Natural Language Processing

Position overview
Position title: Associate or Full Professor of Natural Language Processing

Salary range: Commensurate with qualifications and experience; academic year (nine-month basis).

Anticipated start: July 1, 2022, with the academic year beginning in September 2022.

Application Window
Open date: October 29th, 2021
Next review date: Friday, Jan 7, 2022 at 11:59pm (Pacific Time)
Apply by this date to ensure full consideration by the committee.

Final date: Thursday, Jan 30, 2022 at 11:59pm (Pacific Time)
Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Position Description
The Department of Computer Science and Engineering at the University of California, Santa Cruz (UCSC) invites applications for a tenure-track Associate Professor or Full Professor. We seek outstanding applicants with research and teaching expertise in all areas of Natural Language Processing (NLP). We are especially interested in candidates who have contributed to one or more application areas of NLP including but not limited to information extraction, dialogue and interactive systems, semantics, syntax, information retrieval and text mining, question answering, language grounding, and multimodality. NLP for social goods, and machine translation.

The Department of Computer Science and Engineering is part of the Baskin School of Engineering at UC Santa Cruz. UC Santa Cruz is a member of the Association of American Universities (AAU), an association of the top research universities in the US. Our school has nationally and internationally known researchers in many areas, including theoretical computer science, programming languages, security, distributed systems, storage systems, computer architecture, machine learning, natural language processing, vision, VSLI, and networking. The Baskin School of Engineering is home to six departments, contributing to the richness of its rewards. Nestled in a redwood forest above the city of Santa Cruz, our beautiful campus has a long history of embracing groundbreaking interdisciplinary work. The UCSC campus is closest to Silicon Valley and is in close contact with the local computer industry. Our proximity to Silicon Valley, and our satellite campuses there, afford opportunities and avenues for collaboration with researchers working in the many research and development labs in Silicon Valley, as well as with the other San Francisco Bay Area universities.

The University of California, Santa Cruz, is an Equal Opportunity/Affirmative Action Employer, committed to excellence through diversity and inclusion. We value diversity among our students, faculty and staff, and are committed to creating an inclusive campus community. We do not discriminate in employment opportunities or admissions for employment opportunities or admissions for employment opportunities or admission on the basis of race, color, religion, national origin, age, sex, gender identity, gender expression, sexual orientation, marital or family status, medical condition orença, or protected veteran status.

The Department of Computer Science and Engineering invites applications from candidates who are committed to the diversity and excellence of our academic community and who have a record of contributions to diversity and inclusion. Women and minorities who are underrepresented in higher education careers (as evidenced by life experiences and educational background) and who have experience and equity and with respect to teaching, research, life experiences, or service towards building an equitable and diverse scholarly environment.

Qualifications
Basic qualifications (required at time of application)
• A Ph.D. (or equivalent foreign degree) in computer science or a field relevant to the advertised position; demonstrated record of research and publications in computer science; and a demonstrated record of teaching experience.

Application Requirements
• Statement of Contributions to Diversity, Equity, and Inclusion - Statement addressing your understanding of the barriers facing traditionally underrepresented groups and your past and/or future contributions to diversity, equity, and inclusion through teaching and professional or public service. Candidates are urged to review guidelines on statements (see https://apo.ucsc.edu/diversity.html,https://aps.ucsc.edu/diversity.html) before preparing their application.
• Curriculum Vitae - Must be updated.
• Cover letter - Letter of application that briefly summarizes your qualifications and interest in the position.
• Statement of Research
• Statement of Teaching

Reference requirements
• 3-5 references (contact information only)

Applicants must provide the names and contact information of their references. The hiring unit will request confidential letters from the references of those applicants who are under serious consideration. Please note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.

**All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC’s confidentiality statement at http://apo.ucsc.edu/confstm.htm.

**Apply link:** https://apo.ucsc.edu/applyonline/25999902

Help contact: egregg@ucsc.edu

Campus Information
The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, age, disability, sexual orientation, gender identity, genetic information, and veteran status. Inquiries regarding the University's equal employment opportunity policies may be directed to the Office of Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (831) 459-4646.

Under federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check (see https://www.uscis.gov/e-verify). The university sponsors employment-based visas for non-residents who are offered academic appointments at UC Santa Cruz (see https://apo.ucsc.edu/policy/capm/102.530.html).

UCSC is a smoke-free and tobacco-free campus.

If you need accommodation due to a disability, please contact Disability Management Services at robots@ucsc.edu (831) 459-4602.

UCSC is committed to addressing the special and partner employment needs of our candidates and employees. As part of this commitment, our institution is a member of the Northern California Higher Education Recruitment Consortium (NoCal HERC), Visit the NoCal HERC website at https://www.hercjobs.org/regions/higher-ed-careers/northern-california to search for open positions within a commutable distance of our institution.

The University of California offers a competitive benefits package and a number of programs to support employee workforce balance. For information about employee benefits please visit https://apo.ucsc.edu/policy/benefits/

As a condition of employment, you will be required to comply with the University's COVID-19 Campus-Related Requirements (see https://apo.ucsc.edu/policy/campus-coronavirus.html). Individuals under the policy must provide proof of full vaccination or, if applicable, submit a request for an exemption (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. For new University of California employees, the applicable deadline is eight weeks from their first day of employment. (Capitalized terms in this paragraph are defined in the policy.)

Visit the UCSC WEB SITE at https://www.ucsc.edu.
University of Canterbury

Lecturer in Human-Computer Interaction

Te Tari Pāngana Rorohiko
Department of Computer Science and Software Engineering

Te Whare Wānanga o Waitaha | University of Canterbury

Located in tātahi | Christchurch, Aotearoa | New Zealand

• Full-time at 37.5 hours per week (1.0 FTE)
• Continuing (i.e. permanent) position

We invite applications for a Lecturer position (equivalent to tenured Assistant Professor in the US System) in the area of Human-Computer Interaction (HCI), user experience (UX), or related field.

You will contribute to teaching in undergraduate and postgraduate HCI subjects and other undergraduate subjects. You will develop a strong research programme, including supervising postgraduate students and seeking external research funding. You will also participate in Departmental and University administration. The appointee will be expected to collaborate with other academics in the department, and to develop links with the wider Computer Science and Software Engineering profession at local, national, and international levels.

Applicants must hold a Ph.D. degree in Computer Science or Software Engineering (or closely aligned discipline) and have a demonstrated record of published research in HCI (or closely aligned discipline). The successful candidate will have a commitment to excellence in teaching HCI courses and supervising research projects at both undergraduate and postgraduate levels.

To view our full advertisement please visit: [Work at UC](#)

**The closing date for this position is:**

Monday 31st January 2022 (midnight NZ time)

Please note applications will be reviewed after the close date.

University of Central Arkansas

Assistant Professor in Cybersecurity or Data Science

The Department of Computer Science and Engineering at the University of Central Arkansas is seeking candidates for a tenure-track Assistant Professor in Cybersecurity or Data Science beginning in August 2022. Currently, the department has 13 full-time faculty and offers BS programs in Computer Science (accredited by the ABET CAC), Computer Engineering, Cybersecurity, and Data Science as well as an MS program in Computer Science.

A doctorate in Computer Science, Computer Engineering, Electrical Engineering, or a related discipline with a focus on Cybersecurity or Data Science is required by the start date of the position, but candidates nearing completion will also be considered. Candidates specializing in hardware design/applications, who can collaborate with department faculty, are particularly encouraged to apply. The successful candidate will teach in our student-centered undergraduate and graduate programs as well as engage in research and professional service.

Applicants should submit a cover letter, a curriculum vitae, statements of teaching and research, unofficial transcripts, and the contact information for at least three references via [http://jobs.uca.edu/postings/9279](http://jobs.uca.edu/postings/9279).

Review of applications will begin on January 31, 2022, and will continue until the position is filled. For questions, contact the department chair at ecelebi@uca.edu. Additional information about the department is available at [https://uca.edu/cse](https://uca.edu/cse).

UCA is an EO/AA Employer.

University of Central Florida

Visiting Assistant Professor: Computer Science

The Department of Computer Science (CS) at the University of Central Florida (UCF) in Orlando, Florida, is seeking outstanding candidates for a non-tenure earning visiting assistant professor with an anticipated start date of May 2022.

The primary responsibility of the position is teaching graduate-level courses associated with UCF’s new Master of Science degree in FinTech (Financial Technology). This degree program is co-housed in UCF’s College of Engineering and Computer Science (CECS) and the College of Business (COB). FinTech includes broad topics such as machine learning, artificial intelligence in the finance context, cryptocurrencies and initial coin offerings, blockchain, rob-
advising; quantitative training; digital banking; regulation/policy; and other emerging fields. It is anticipated that the selected candidate will teach minimally two Computer Science courses in the FinTech M.S. program per semester. Aside from instruction, responsibilities include: (1) service to the degree program and the CS department, (2) collaborating with faculty, and (3) other duties as assigned by the CS department chair.

Applications must be submitted electronically through the Human Resources website, www.ucf.edu/jobs. For more information about this position and to submit your application, please visit: https://jobs.ucf.edu/cw/en-us/job/501414/visiting-assistant-professor-computer-science. In addition to the online application, candidates must provide a cover letter, a curriculum vitae, a 2 page statement of teaching philosophy and interest, and 3 professional references.

Questions regarding this search may be directed to Dr. Ali Gordon at CSsearch@ucf.edu.

University of Chicago

Data Science Postdoctoral Scholar

The Data Science Institute at the University of Chicago is accepting applications for its Postdoctoral Scholars Program. This unique program provides postdocs with the opportunity to pursue original research on significant questions in data science. This program allows postdoctoral scholars to engage in field-defining data science and artificial intelligence research. Our positions carry a competitive salary, generous research funding allowances, and benefits including access to unique datasets, mentorship, and professional development.

Application review will begin 1/3/22, and will continue until all positions are filled.

The Data Science Institute (DSI) executes the University of Chicago’s bold, innovative vision of Data Science as a new discipline by advancing interdisciplinary research, partnerships with industry, government, and social impact organizations, and holistic approach to data science education.


Website: http://datascience.uchicago.edu/engage/fellowships/

Questions? Email data-science@uchicago.edu

University of Chicago

Assistant Professor/Associate Professor/Professor, Data Science

The University of Chicago invites applications for tenure-track faculty positions at the rank of Assistant Professor, and tenured faculty positions at the ranks of Associate Professor and Professor in the area of Data Science. The University of Chicago is implementing an ambitious plan for research and education in Data Science including new academic programs at the undergraduate and graduate levels and new cross-disciplinary research programs. The Data Science Institute is a collaboration among the Department of Computer Science (cs.uchicago.edu), the Department of Statistics (stat.uchicago.edu), and other units on campus. Topics of interest include artificial intelligence, machine learning, data visualization, fairness and data ethics, societal impact of data, data engineering, natural language processing, and high dimensional statistical inference, but we encourage applications from all researchers focused on developing the foundations and practice of Data Science as an emerging field. Appointments may be made in either department, jointly between Statistics and Computer Science, or jointly with another department in the University.

Members of the faculty are expected to lead research programs that will produce significant contributions to a field, and teach and mentor at the undergraduate and graduate levels. The Data Science Institute focuses on research that advances fundamental theories at the intersection of data science, artificial intelligence, statistics, and computing in the context of real world and domain-specific problems. The larger data science community at the University of Chicago includes the Toyota Technological Institute at Chicago (TTIC), the Polsky Center for Entrepreneurship and Innovation, and Argonne National Laboratory.

The Departments of Computer Science and Statistics and the Data Science Institute are dedicated to building a culturally diverse faculty and staff who are committed to creating and nurturing an inclusive community that welcomes, respects, and supports everyone, including those from underrepresented and marginalized groups.
Completion of all requirements for a Ph.D. in Computer Science, Statistics, or a related field is required at the time of appointment. Candidates for Associate Professor and Professor positions must have evidence of leadership in their field and successful independent research.

Applications must be submitted online through the University of Chicago’s Academic Jobs website:

- Assistant Professor: [http://apply.interfolio.com/97059](http://apply.interfolio.com/97059)
- Associate Professor: [http://apply.interfolio.com/97061](http://apply.interfolio.com/97061)
- Professor: [http://apply.interfolio.com/97370](http://apply.interfolio.com/97370)

Review of applications will begin on December 1, 2021 and will continue until all positions are filled.

The following materials are required:

- cover letter;
- curriculum vitae including a list of publications;
- statement describing past and current research accomplishments and outlining future research plans;
- description of teaching philosophy and experience;
- applicants are required to request at least three confidential letters of recommendation via Interfolio.

The following materials are optional:

- up to three sample publications

We seek a diverse pool of applicants who wish to join an academic community that places the highest value on rigorous inquiry and encourages diverse perspectives, experiences, groups of individuals, and ideas to inform and stimulate intellectual challenge, engagement, and exchange. The University’s Statements on Diversity are at [https://provost.uchicago.edu/statement多样性](https://provost.uchicago.edu/standards-diversity).

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law. For additional information please see the University’s Notice of Nondiscrimination.

Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-1032 or email equalopportunity@uchicago.edu with their request.

---

**University of Colorado Boulder**

**Instructor in Data Science**

University of Colorado at Boulder is looking for an instructor in data science beginning July 1, 2022.

Please find details at: [https://jobs.colorado.edu/jobs/JobDetail/Instructor-in-Data-Science/33944](https://jobs.colorado.edu/jobs/JobDetail/Instructor-in-Data-Science/33944)

This Instructor will teach in the MS in Data Science Program with an emphasis in statistics, R programming and machine learning and will be affiliated with one of the following departments: Applied Mathematics (APPM), Computer Science (CS) or Information Science (INFO). The initial appointment is for a term of three years, with contract renewal contingent upon satisfactory performance.

---

**University of Connecticut**

**Assistant Research Professor, Data Science**

The Computer Science & Engineering (CSE) Department at the University of Connecticut (UConn) seeks applications for a non-tenure track Research Assistant Professor position with expertise in Data Science. The position has a preferred start date of August 23, 2022 and is based in Stamford, Connecticut.

The University of Connecticut, with additional funding from the state, is embarking on a unique and innovative multi-year data science initiative in Stamford. The initiative itself is comprised of three primary components: 1) the establishment of a data science technology incubator built as an extension of UConn’s technology incubation program (TIP) program the largest and most successful tech incubator in Connecticut ([https://innovation.uconn.edu/](https://innovation.uconn.edu/)), 2) the creation of the Stamford Startup Studio, a yearlong entrepreneurial co-op experience for extremely motivated and talented undergraduates, and 3) a cluster hire of five cutting-edge data science faculty researchers spanning four colleges/schools at UConn. The components of the initiative will work closely together - students and startups alongside top data science researchers - thus building a foundation to support both the mission of the institution and the continued economic development of the State. The present job ad deals specifically with the data science research faculty hire in the Department of
Computer Science and Engineering. The position emphasizes research and is situated in a newly updated Class A office building across the street from the UConn Stamford campus (co-located with UConn’s data science incubator).

This is a full-time, 9-month, renewable, non-tenure track appointment for Research Assistant Professor in Data Science. It is preferred that the successful candidate begins work on or before August 23, 2022. The position will be fully funded for the first 1.5 years. The successful candidate will be expected to secure 50% of their salary from external sources for the following 1.5 years and 100% thereafter. The position includes full benefits, a start-up package to provide a research runway, and minimal non-research responsibilities. The salary will be commensurate with experience, with the ability to further supplement annual salary with 3-months of external funding. Employment is conditional upon the timely completion of an approved I-9 (Employment Eligibility Verification Form).

Please apply online to Academic Jobs Online https://academicjobsonline.org/ajo/jobs/18069

University of Copenhagen

Postdoc/Senior scientist position in Bioinformatics/Data Science

Two-year (or more) postdoctoral/senior scientist positions (1-2 positions) is available in the Garg lab at the University of Copenhagen. Our research focus is to develop new computational methods for solving fundamental genomic problems.

We are interested in: 1) algorithms and data structure (including string processing/graph) and software development. 2) Deep learning methods for multi-omics, for integrating large-scale genomic datasets. We use the latest third-generation sequencing datasets (bulk and single-cell level) for more than several hundred samples with potential applications in clinical diagnostic and biodiversity. These computational models (tools) may also be relevant to large-scale international sequencing efforts such as the Human Pangenome project, Personal Genome Project, and Darwin Tree of Life. Refer publications: https://scholar.google.com/citations?hl=en&user=Sn07lgAAAAJ&view_op=listworks&sortby=pubdate

Qualifications

The person will be expected to participate both in the bioinformatics analysis of sequencing data as well as in the interpretation, writing and leading the projects. Some flexibility in the tasks is possible depending on the skills and interests of the candidate.

To be considered, applicants must:

- Have a Ph.D. in bioinformatics, computer science, statistics, computational biology or a similar field
- Have experience in working with DNA/RNA/functional sequencing data
- Be experienced with the handling big data
- Have published in high-quality international peer-reviewed journals
- High-performance programming skills such as C/C++/Rust/python

The working language is English. Thus good English speaking, reading and writing skills are required.

For further information please contact Shilpa Garg (Shilpa.garg@bio.ku.dk)

Further information on the Department is linked at http://www.science.ku.dk/english/about-the-faculty/organisation/

Inquiries about the position can be made to [head of department].

The position is open from 1 February 2022 or as soon as possible thereafter.

The University wishes our staff to reflect the diversity of society and thus welcomes applications from all qualified candidates regardless of personal background.

Terms of employment

The position is covered by the Memorandum on Job Structure for Academic Staff.

Terms of appointment and payment accord to the agreement between the Ministry of Finance and The Danish Confederation of Professional Associations on Academics in the State.

Negotiation for salary supplement is possible.

The application, in English, must be submitted electronically by clicking APPLY NOW below.

Please include

- Resume/CV
- Diplomas (Master and PhD degree or equivalent)
- Letter of interest/research statement

You can read about the recruitment process at http://employment.ku.dk/faculty/recruitment-process/.
University of Florida
Assistant Professor

Description
The Herbert Wertheim College of Engineering at the University of Florida (UF) invites applications for a full-time, nine-month tenure track faculty position at the rank of Assistant Professor in the Department of Computer & Information Sciences & Engineering (CISE). The position focuses on research and teaching at the intersection of computer architecture and machine learning/AI. The University of Florida is the flagship campus of the State of Florida university system and is ranked as the #5 best public US university according to US News and World Report. UF recently announced a $70 million artificial intelligence partnership with NVIDIA to create an AI-centric data center that houses the world’s fastest AI supercomputer in higher education. The Department of CISE in the HWCOE is a vibrant, multidisciplinary highly collaborative environment, consistently ranked among the top departments for both graduate and undergraduate programs. It offers BA, BS, MS, and PhD degrees in Computer Science and Computer Engineering, with an enrollment of 3,055 undergraduate students and 515 graduate students of which 170 are PhD students. The CISE department currently has 58 faculty. Collectively, the list of achievements and awards received by the faculty include one Fulbright Scholar; 17 NSF CAREER Award winners; eight IEEE Fellows; four ACM Fellows; three AAAS Fellows; one IEEE Computer Society W. Wallace-McDowell Award; and one ACM Karl Karlstrom Outstanding Educator Award. The Department’s external research expenditures were over $94 million last year. Research is central to the success of the program, and new faculty will be expected to initiate and sustain strong sponsored research and graduate training programs.

Qualifications
The position focuses on research and teaching at the intersection of computer architecture and machine learning/AI. The successful candidate is expected to have a doctoral degree in computer science, computer engineering or a related field at the time of hiring. In addition, the candidate should have a record of successful proposal writing, mentoring, and classroom teaching of undergraduate and graduate students.

Application Instructions
Review of applications will begin on December 15, 2021 and continue until the positions are filled. Early applications are encouraged but applications submitted after this date will also be considered. All applications must be submitted through Interfolio at: https://facultyjobs.hr.ufl.edu/posting/96323 (Please see Job Requisition #84173). Complete applications must include the following files in PDF format: (1) cover letter (summary and introduction related to hiring emphasis areas); (2) a personal statement (including identification of any synergies with UF CISE as well as UF investigators, centers & institutes); (3) a diversity statement (including experience in working with diverse and underrepresented groups in engineering); (4) a curriculum vitae (including a 1-page CV highlights); (5) a research program vision statement (with a focus on how any plans will support the department and college); (6) a teaching statement (including a personal philosophy and interests); (7) up to three representative journal articles (co-)authored by the applicant; and (8) the names, addresses, phone numbers, and email addresses of no less than three and up to five references. The final candidate will be required to provide an official transcript to the hiring department upon hire. The anticipated start for the position is Fall 2022 with some flexibility for a later start based on individual needs.

Selected candidate will be required to provide an official transcript to the hiring department upon hire. A transcript will not be considered “official” if a designation of “Issued to Student” is visible. Degrees earned from an educational institution outside of the United States are required to be evaluated by a professional credentialing service provider approved by National Association of Credential Evaluation Services (NACES).

If an accommodation due to a disability is needed to apply for this position, please call 352-392-2477 or the Florida Relay System at 800-955-8771 (TDD). Hiring is contingent upon eligibility to work in the US. Background searches are conducted in accordance with Florida’s Sunshine Law.
University of Florida
Assistant Professor in Computational Language Science (Tenure Track)

University of Florida Assistant Professor in Computational Language Science:
https://apply.interfolio.com/95755

University of Georgia
Assistant or Associate Professor

The Department of Computer Science at the University of Georgia invites applications for a tenure-track Assistant or Associate Professor position starting August 2022.

Applicants should hold a Ph.D. in Computer Science or related field at the time of appointment. The ideal candidate for this position will have a strong research background/record in the foundational aspects of Computer Vision and Machine Learning and show a commitment to excellence in both research and teaching. We especially seek applicants specializing in Computer Vision applications to biological, biomedical and bioinformatics data, but we welcome applications addressing all facets of Computer Vision from qualified candidates. To be eligible for tenure upon appointment, candidates must be appointed as an Associate Professor or Full Professor, have been tenured at a prior institution, and bring a demonstrably national reputation to the institution. Candidates must be approved for tenure upon appointment before hire. Please see the Promotion/Tenure Criteria for the Department at this link:

Within UGA’s broad initiative, the Department of Computer Science, in collaboration with the Department of Mathematics and the UGA Institute for Cybersecurity and Privacy, has established a cluster hire initiative on Secure AI Systems that can support a variety of sensitive applications, including secure, privacy-preserving, and efficient learning for biomedical and biological applications. This cluster hire initiative aims to hire four new faculty members over two years in the following areas of research: Computer Vision (this position), High-Performance AI Systems, Cryptography, and Cryptographic Machine Learning.

Computer Science is a growing and congenial department of 35 faculty within the Franklin College of Arts and Sciences (FCAS). The department has more than 1,280 undergraduate students, more than 180 graduate students, and offers the B.S., M.S., and Ph.D. degrees in Computer Science, as well as a B.S. degree in Data Science and an M.S. degree in Cybersecurity and Privacy. The teaching load allows for substantial concentration on research. In addition to the areas in which we are recruiting, our faculty cover a broad range of research interests, including algorithms, artificial intelligence, bioinformatics, brain imaging and mapping, computer security, computational science and high-performance computing, computer vision, data privacy, distributed and real-time systems, machine learning, parallel and distributed computing, robotics, simulation, and semantic web. Please see http://www.cs.uga.edu for more information about the department and the university.

FCAS, its many units, and UGA are committed to increasing the diversity of its faculty and students, and to sustaining a work and learning environment that is inclusive. Women, minorities, protected veterans, and individuals with disability are encouraged to apply. UGA is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, ethnicity, age, genetic information, disability, gender identity, sexual orientation, or protected veteran status. Persons needing accommodations or assistance with the accessibility of materials related to this search are encouraged to contact Central HR (hrweb@uga.edu). Please do not contact the department or search committee with such requests.

UGA is the state’s oldest, most comprehensive, and most diversified institution of higher education (http://www.uga.edu). UGA is currently ranked among the top 20 public universities.
The University of Houston, Department of Computer Science is seeking applicants for four tenure-track Assistant Professor positions and a non-tenure track Instructional Assistant Professor. The appointments will begin September 1, 2022. Candidates must demonstrate an outstanding scholarly record of research, exhibited by high-impact peer-reviewed publications and a forward-looking, vigorous research agenda that will secure competitive, external funding as Principal Investigator (PI). Salary consideration will be commensurate with experience. All positions require a PhD in Computer Science or related field.

The Department is particularly interested in candidates who have experience working with students from a diverse background and a demonstrated commitment to improving access to higher education for disadvantaged students. The University of Houston is responsive to the needs of dual career couples.

For full consideration, submit your application materials (CV, cover letter, teaching philosophy, research statement, and publications) by January 3, 2022 to the links provided below. For inquiries about this position, prospective applicants are encouraged to contact the computer science department chair, Prof. Shishir Shah (sshah@central.uh.edu).

The University of Houston is an equal opportunity/affirmative action employer. Minorities, women, veterans and persons with disabilities are encouraged to apply.
critical infrastructures. AI based predictive commerce for green and renewable energy applications (game theory, computational economics), and cybersecurity for distributed health data.

**Assistant Professor – Artificial Intelligence – Big Data, Distributed Systems, and Graph Algorithms – (FAC002000)**

Research experience in artificial intelligence including, but not exclusively, big data, distributed systems, graph algorithms, and other areas, such as design and development of next-generation batteries, advanced polymers, complex chemical networks, cyber defense, systems biology, optimization of organizations and global supply chains, future transportation systems, smart cities, energy infrastructure, and advanced manufacturing.

The University of Houston is an equal opportunity/affirmative action employer. Minorities, women, veterans and persons with disabilities are encouraged to apply.

**University of Illinois System - Chicago**

**Discovery Partners Institute**

**Research Associate/Senior Research Associate**

The Discovery Partners Institute provides a platform for people to jumpstart their tech careers or companies in Chicago. Led by the University of Illinois System in partnership with local and global research universities, DPI does three things: tech talent development, applied R&D, and business development. DPI prepares students and workers to step into high-demand tech jobs. It also builds research teams helps them to identify and pursue new funding opportunities. With state investment and a new urban innovation district in development just south of the Chicago Loop, DPI has the resources to attract, develop and leverage the most ambitious people and companies the region has to offer - and keep them here.

DPI invites nominations and applications for the position of Research Associate/Senior Research Associate. This role offers an opportunity to help shape and drive one of DPI's core missions: Research & Development (R&D). They are expected to participate in research project design, development and execution through the production of independent research and by taking ownership of sub-projects within large multi-faceted R&D efforts. They should provide creative ideas and direction for their assigned projects and are expected to take initiative. Topics for research will vary but will be primarily related to computing and may include a range of approaches including AI/ML, IoT, cloud-based computing, statistics, simulations, and cybersecurity. DPI is especially interested in supporting research that is grounded in practice and has commercialization potential.

Research Associates must demonstrate independence in executing a particular research effort. They must be familiar with data collection, data analysis, programming (one or more languages), have subject-matter expertise in one or more areas, and have good verbal and written communication abilities necessary to produce scholarly work in scientific conferences as well as produce results that meet the professional demands of the industrial sectors. Research Associates are expected to work closely with both our internal R&D team members as well as collaborators in University of Illinois and with other DPI partner institutions.

Candidates must possess a candidates must possess a minimum of an M.S. degree or equivalent in a computing related field. A Ph.D. is preferred with Minimum of two years of experience in performing research in a university or corporate research lab for Research Associates. Minimum of four years of experience for Senior Research Associates. Candidates that are closer to completion (“all but dissertation”) are encouraged to send inquiries or apply. For full position description and requirements, see the website below.

This is a full-time, 12-month Academic Professional position. For full consideration, candidates must apply and submit a letter of application, resume, and names/addresses/phone numbers of three professional references by February 5, 2022 at [https://uajobs.hr.uillinois.edu/](https://uajobs.hr.uillinois.edu/).

The System Office conducts background checks on all job candidates upon acceptance of a contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act. The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or
Professional Opportunities

University of Illinois System - Chicago
Discovery Partners Institute
Research Scientist/Senior Research Scientist
Search Extended

The Discovery Partners Institute (DPI) empowers people to jumpstart their tech careers or companies in Chicago. Led by the University of Illinois System in partnership with some of the world’s top research institutions, DPI does three things centered around economic development: tech talent development for high-demand tech jobs; applied research and development; and building a stronger tech ecosystem. DPI prepares students and workers to step into high-demand tech jobs. It also builds research teams and matches them with new funding. With state investment and a new innovation district in development, DPI has the resources to attract, develop and leverage the most ambitious people and companies the region has to offer - and keep them here.

DPI invites nominations and applications for Research Scientists and Senior Research Scientists. These roles offer an extraordinary opportunity to help shape and drive one of DPI core missions: Research & Development. These positions bring together research initiatives by coalescing teams of faculty and scientists across institutions and disciplines. Research Scientists are principal contributors in developing specific research project requirements and are responsible for all aspects of the project from conception to finding funding through execution.

Research Scientists must demonstrate leadership, for example, as principal investigator, as head of a defined research project, or as key interstitial members of research teams. They must provide overall program/project leadership and management, conduct and publish self-initiated research, conduct research across programs or projects, train and manage other researchers or staff, and participate in long-range research planning. Research Scientists are expected to work closely with both our internal R&D team members as well as the external members of our Science Teams. DPI is especially interested in supporting research that is relevant or provides economic benefit to the state of Illinois and has commercialization potential. Experience in commercialization is preferred.

Candidates must possess a Ph.D degree in computing-relevant field with Minimum of four years’ experience in managing a research program or team. (Seven years required for the Senior Research Scientist title). For full position description and requirements, see the website below.

This is a full-time, 12-month Academic Professional position. For full consideration, candidates must apply and submit a letter of application, resume, and names/addresses/phone numbers of three professional references by February 5, 2022 at https://uajobs.hr.uillinois.edu/.

The System Office conducts background checks on all job candidates upon acceptance of a contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act. The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or sexual harassment. For more information, visit https://www.hr.uillinois.edu/cms/One.aspx?portalId=4292&pageId=1411899

System Human Resource Services
(312) 996-5130 erhr@uillinois.edu

The System Office is an affirmative action/equal opportunity employer dedicated to building a community of excellence, equity and diversity. The System Offices welcome applications from women, underrepresented minorities, individuals with disabilities, protected veterans, sexual minority groups and other
candidates who will lead and contribute to the diversification and enrichment of ideas and perspectives.

**University of Illinois Urbana Champaign**

**School of Information Sciences**

**Tenure-Track Faculty Positions (Open Rank)**

The School of Information Sciences (iSchool) at the University of Illinois invites applications for full-time, tenure-track faculty positions at all ranks. We especially welcome applications in the broad areas of data science and artificial intelligence (AI). For a full position description and to apply, please visit [https://jobs.illinois.edu](https://jobs.illinois.edu).

Full consideration is guaranteed for all applications received by December 1, 2021.

University of Illinois faculty, staff and students are required to be fully vaccinated against COVID-19. If you are not able to receive the vaccine for medical or religious reasons, you may seek approval for an exemption in accordance with applicable University processes.

The U of I is an EEO Employer/Vet/Disabled [http://go.illinois.edu/EEO](http://go.illinois.edu/EEO) that participates in the federal e-Verify program and participates in a background check program focused on prior criminal or sexual misconduct history.

**University of Illinois Urbana-Champaign**

**Full-Time Faculty Positions**

The Department of Electrical and Computer Engineering at the University of Illinois Urbana-Champaign invites applications for full-time faculty positions. All qualified candidates will be considered at all levels and in all areas of electrical and computer engineering, broadly defined, to include the areas of Computational and Physical Electronics; Electromagnetics and Sensing Systems; Power and Energy Systems; Bioinformatics and Bioimaging; Circuits - System on a Chip; AI/Autonomous Systems; Robotics; Signal Processing and Machine Vision; Data Science and Applications: Control, Optimization, and Decision Science; Embedded Computing Systems and the Internet of Things; Data - Centric Computer Systems and Storage. Networked and Distributed Computing Systems. Areas of particular emphasis in this year’s search are (1) Reliable/Secure Computing and Networked Systems and (2) Power Electronics/Power Semiconductors/Renewable Energy.

The University of Illinois is an Equal Opportunity, Affirmative Action employer that recruits and hires qualified candidates without regard to race, color, religion, sex, sexual orientation, gender identity, age, national origin, disability or veteran status. For more information, visit go.illinois.edu/EEO. To learn more about the University commitment to diversity, please visit [engineering.illinois.edu/about/diversity.html](http://engineering.illinois.edu/about/diversity.html).

Applications are also encouraged from candidates whose degrees and research programs are in core as well as broad interdisciplinary areas of electrical and computer engineering. Senior and mid-career faculty are encouraged to apply. Qualified senior candidates may also be considered for tenured Associate and Professor positions as part of the Grainger Engineering Breakthroughs Initiative (GEBI), which is backed by a $100-million gift from the Grainger Foundation. Over the next few years, more than 35 new endowed professorships and chairs will be established in areas of strategic interest to The Grainger College of Engineering. Such areas include, but are not limited to, bioengineering, big data, quantum information, robotics and machine learning. More information about the Grainger Initiative can be found at [grainger.illinois.edu/research/grainger-breakthroughs](http://grainger.illinois.edu/research/grainger-breakthroughs).

Applicants for all positions at the assistant professor level must have an earned Ph.D. or equivalent terminal degree, excellent academic credentials, and an outstanding ability to teach effectively at both the graduate and undergraduate levels. Successful candidates will be expected to initiate and carry out independent research and to perform academic duties associated with our B.S., M.S., M.Eng., and Ph.D. programs. Ideal candidates include those who demonstrate evidence of a commitment to diversity, equity, and inclusion through research, teaching, and/or service endeavors.

The department has one of the very top programs in the world, serving close to 3,000 students and granting approximately 450 B.S. degrees, 100 M.S. degrees, 80 M. Eng. degrees, and 75 Ph.D. degrees annually. Faculty in the department carry out research in a broad spectrum of areas and are supported by world-class interdisciplinary research facilities, including the Coordinated Science Laboratory, the Information Trust Institute, the Parallel Computing Institute, the Nick Holonyak Jr. Micro and Nanotechnology
Laboratory, the Beckman Institute for Advanced Science and Technology, the Carl R. Woese Institute for Genomic Biology, as well as several industrial centers and programs that foster international collaborations. The ECE Department also supports and encourages faculty involvement with the Nation’s first engineering-based College of Medicine that has opened on campus to facilitate transition from engineering breakthroughs into translational medical practices.

Application deadline is **December 1, 2021** – applications received by this date will be given full consideration by the Search Committee -- but the interview process of earlier applicants may begin before this date and continue until suitable candidates are identified.

Salary will be commensurate with qualifications. Preferred starting date is August 16, 2022 but is negotiable.

Applications can be submitted by going to [https://jobs.illinois.edu](https://jobs.illinois.edu) and uploading a cover letter, CV, teaching statement, research statement, and statement on commitment to diversity, along with names of three references. The statement on diversity should address past and /or potential contributions to diversity, equity, and inclusion through research, teaching, and/or service. For inquir[y, please call 217-333-2302 or email ece-recruiting@illinois.edu.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer. Convictions are not a bar to employment. The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or sexual harassment. For more information, visit Policy on Consideration of Sexual Misconduct in Prior Employment. As a qualifying federal contractor, the University of Illinois System uses E-Verify to verify employment eligibility. The University of Illinois must also comply with applicable federal export control laws and regulations and, as such, reserves the right to employ restricted party screening procedures for applicants.

Successful applicants will join a large and active teaching faculty community. Our department’s 21 teaching faculty embrace the challenges and rewards of teaching at scale, but generally do so by teaching many students across a small number of courses. Many instructors choose to teach the same course for multiple semesters, allowing them to develop deep mastery of their subject while supporting long-term investments in innovative pedagogy.

Teaching faculty have primary responsibility for designing and delivering the undergraduate core, but teach courses throughout the undergraduate
and graduate degree programs and online. Teaching faculty also engage in other activities that support the university’s educational mission, including leadership and service at the department, campus, or international level; collaborations that develop new courses or curricula; student mentoring and advising; creating systems and tools that support novel educational approaches; data analysis; community outreach; and research in computer science education or other areas of computer science.

A full description of this position announcement can be found at https://cs.illinois.edu/faculty-positions. Please apply by December 15th for full consideration.

University of Illinois

Tenure-Track Faculty Positions (Open Rank)

The School of Information Sciences (iSchool) at the University of Illinois invites applications for full-time, tenure-track faculty positions at all ranks. We especially welcome applications in the broad areas of data science and artificial intelligence (AI).

For a full position description and to apply, please visit https://jobs.illinois.edu/academic-job-board/job-details?jobID=155898&job=school-of-information-sciences-tenure-track-faculty-positions-open-rank-155898.

Full consideration is guaranteed for all applications received by December 1, 2021, but we strongly encourage candidates to apply even after this date.

University of Iowa

Assistant Professor

The University of Iowa Computer Science Department invites applications for multiple tenure-track Assistant Professor positions effective August 17, 2022. Instructional track, visiting, and/or postdoctoral positions may also be available. The Department offers the BA, BS, MCS, and PhD degrees in Computer Science, the BA, BS, MS, and PhD degrees in Informatics, the BSE degree in Computer Science & Engineering (jointly with the Department of Electrical and Computer Engineering) and the BS degree in Data Science (jointly with the Department of Statistics and Actuarial Science).

We seek creative and collaborative scholars from all areas of Computer Science interested in working in a collegial, supportive, and multidisciplinary environment. We are seeking candidates with research interests that align or intersect with the Department’s current strengths in (i) artificial intelligence, machine learning, natural language processing, and data science; (ii) theory and algorithms; (iii) systems, networks, security, privacy, and anonymity; (iv) HCI and virtual/augmented reality; (v) programming languages, compilers, automated reasoning, formal methods, and software engineering; and (vi) applications of computer science (especially healthcare), although all are welcome to apply. Candidates must hold a PhD in computer science or a closely related discipline at time of appointment. Successful candidates must demonstrate potential for research and teaching excellence in the environment of a major research university. Prior record of scholarly publication

We have an active and successful dual-career partner placement program and a strong commitment to work-life balance and family-friendly programs for faculty and staff as described here: https://provost.illinois.edu/faculty-affairs/work-life-balance/.
Professional Opportunities

in leading venues and prior teaching experience are desirable. Responsibilities include conducting cutting-edge research in the candidate’s area of expertise, teaching undergraduate and graduate courses, supervising graduate student research, and making service and outreach contributions to the Department, the College, the University, and the discipline.

How to Apply: Applications should include a CV, a research statement (for tenure-track positions), a teaching statement, and contact information for three references. For additional information and to apply online, visit http://wwwcs.uiowa.edu/hiring/.

Applications received by January 15, 2022 are assured of full consideration.

About Iowa: With just over 30,000 students, the University of Iowa is one of the nation’s top public research universities, a member of the Big Ten conference since 1899, and an Association of American Universities member since 1909. The University is known for its balanced commitment to the arts, sciences, and humanities. Located in Iowa City, an urbanized area of 170,000 people that is widely recognized as one of the country’s most livable communities, the University offers over 200 majors and has an annual externally funded research budget of over $500M.

The Department and the College of Liberal Arts and Sciences are strongly committed to diversity, equity and inclusion; the strategic plans of the University and College reflect this commitment. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran. The University of Iowa is an equal opportunity/affirmative action employer.

University of Manitoba
Instructor I

The Department seeks an emerging scholar with a commitment to excellence in teaching and pedagogical development. Outstanding candidates with experience in any area of Computer Science will be considered, with particular emphasis on candidates who will complement or extend the department’s strengths. Preference will be given to those with teaching experience and a Ph.D (preferred) or M.Sc., or other distinguishing attributes in Computer Science or a closely related field. Duties include undergraduate teaching, including live lecture, on-line and distance delivery formats, pedagogical/course development and assessment, and service-related activities. Successful candidates will have a track record of teaching contributions and course development, or significant industry experience, and will exhibit evidence of the ability to work in a collaborative environment. Candidates with extensive pedagogical experience may be considered for the Instructor II or Senior Instructor position based on years of experience. To enhance our Department and create role models for our diverse population of students, we particularly invite applications from those who will increase and support our diversity, including women, Indigenous Peoples, persons with disabilities, racialized persons, and those committed to an inclusive environment.

The Department currently has 22 full time tenured and tenure track faculty members and 6 Instructors, and offers a full range of both undergraduate and graduate programs in Computer Science. Further information about the Department can be obtained from www.sci.umanitoba.ca/cs. Winnipeg is the largest city in the Province of Manitoba. The city has a rich cultural environment, including symphony, opera, dance, theatre, and ethnic festivals. The region provides ample opportunities for outdoor recreation in all seasons. Learn more about Winnipeg at winnipeg.ca. The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, racialized

Office Clinical Research Informatics Officer

Research Data Concierge

The OCRIO is seeking applicants for a new research data concierge position, which will be responsible for connecting researchers to data. Research data concierge will serve as a guide to researchers in navigating the research lifecycle.

University of Maryland Baltimore County (UMBC)

Lecturer/Professor of the Practice

The UMBC Department of Information Systems invites applications for two positions at the Lecturer or Professor of the Practice levels with a start date of either Spring semester 2022 or Fall semester 2022.

The Department has 36 full-time faculty and over 1,600 students, including over 1100 undergraduate students. The department offers undergraduate degrees in Information Systems and Business Technology Administration. Graduate degree programs, MS and PhD, are offered in both Information Systems and Human-Centered Computing, including an innovative online MS program in IS. In addition, the Department houses the Master's in Health Information Technology and the Master's in Software Engineering, both as professional degree programs. We offer several accelerated BS/MS options for our students. Our faculty are actively engaged in collaborative interdisciplinary research within and across departments and institutions. Five of our current faculty have received NSF CAREER awards. IS faculty members lead four research centers: the Center for Real-time Distributed Sensing and Autonomy (CARDS), the Interactive Systems Research Center (ISRC), NSF HDR institute for Harnessing Data and Model Revolution in the Polar Regions (iHARP), and the UMBC site of the Center for Advanced Real Time Analytics (CARTA). We are also host to two NSF Research Experience for Undergraduates (REU) grants to support a culture of undergraduate research. Further details can be found at https://informationsystems.umbc.edu/.

UMBC is a public research university that is leading the world in inclusive excellence in research and teaching. UMBC is ranked #6 among all U.S. universities in both undergraduate teaching and innovation (US News). To continue to support this goal, the Center for the Advancement of Learning and Teaching (CALT) provides excellent support such as classroom observation, collection and analysis of student feedback as well as regular workshops and pedagogical demonstrations. Our students can leverage our location near government agencies, such as NIH, NASA, NSF, NIST, DOD, NIDILRR and USGS. UMBC’s strategic location in the Baltimore-Washington corridor puts us close to many high-tech companies and local area medical and nursing schools as well. The 2020 Chronicle of Higher Education also named UMBC as one of the great colleges to work for, for the eleventh year in a row. The department, college and UMBC are deeply committed to the success of all of our faculty. We offer regular and structured support for faculty to develop a thriving and successful teaching career. The campus is close to both energetic urban centers and family-friendly suburbs. Nearby cities such as Columbia and Ellicott City have been routinely ranked in the top 10 best places to live in the US by Money Magazine.

The successful candidate will be actively involved in teaching and advising the department’s undergraduate students. This candidate will have experience in one or more areas of teaching that are relevant to our discipline, including technical, programming and/or management courses. The Information
Systems (IS) Department is multi-disciplinary, placing a strong emphasis on the theory and application of information systems. At a minimum, candidates must have earned a MS in a relevant area. There is a pathway for promotion at UMBC from Lecturer to Sr. Lecturer to Principal Lecturer. Candidates with an earned Ph.D. and significant industrial or governmental background are encouraged to apply and may be considered for an appointment as a Professor of the Practice.

All candidates are expected to demonstrate their commitment to diversity in all aspects of the position, to include teaching, mentoring, service, or community engagement. Our Department strives to obtain an equitable and diverse scholarly environment through building an inclusive climate and culture focused on a common objective of excellence in education, research and student success. UMBC is a national model for diversity and inclusive excellence in STEM. Examples of these are our Meyerhoff Scholar programs (http://meyerhoff.umbc.edu/), the Center for Women in Technology (http://cwit.umbc.edu), PROMISE: Maryland’s AGEP (https://promise.umbc.edu/) and McNair Scholars (https://mcnair.umbc.edu/) programs. Inclusive excellence is a hallmark of UMBC and a foundational value of our community. UMBC is the nation’s #1 producer of Black undergraduates who go on to complete a Ph.D. in the natural sciences or engineering and #1 for Black undergraduates who complete an M.D./Ph.D., based on NSF data.

The IS department is proud to support a diverse student and faculty body in terms of gender, race, and ethnicity. The IS faculty has a culture of inclusive excellence, demonstrated by both academic research such as community engaged scholarship, research on improving accessibility of technology to individuals with disabilities, as well as efforts to address diversity issues in STEM through efforts such as CWIT scholar program and starting a regional chapter of Women in Data Science and Machine Learning. More than half of the leadership positions in the department including the chair are currently held by women faculty.

Applications for the positions must be submitted as PDF files via Interfolio at http://apply.interfolio.com/94398. An informational webinar will also be held in mid November. If you are interested in the webinar, please register at https://forms.gle/Rnfb9ezulHTuKNU17.

Review of applications will start in November 2021 and will continue until positions are filled.

A complete submission will consist of:
1. Cover letter
2. CV
3. One-page statement of demonstrated commitment to diversity and inclusive excellence.
4. One-page statement of teaching philosophy.
5. At least three letters of reference.

UMBC is an Affirmative Action/Equal Opportunity Employer and welcomes applications from minorities, women, veterans, and individuals with disabilities.

---

University of Maryland College Park

Department of Computer Science

Associate Professor with Tenure or Tenured Professor

The Department of Computer Science and the Department of Electrical and Computer Engineering at the University of Maryland, College Park, MD, USA are recruiting to fill two Brendan Iribe Endowed Professorships, one in Computer Science and one in Electrical and Computer Engineering, with start dates on or after July 1, 2022. Outstanding mid-career and senior candidates (Associate Professors with tenure and Professors with tenure) in artificial intelligence, machine learning, robotics, autonomy, and their applications are encouraged to apply. Successful applicants will have their tenure home in either department with a joint appointment in the other.

The departments are committed to building a diverse faculty pre-eminent in their missions of research, teaching, and service to the community, and they especially encourage applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials. Interested candidates should apply on-line at https://ejobs.umd.edu in order to receive consideration. Search under Faculty for position #126848. Applicants are encouraged to have
complete versions of their materials—including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references—uploaded by December 31, 2021, but applications will be accepted until all positions are filled. Candidates will be prompted during the online application process to submit all information for their references. Questions can be directed to the faculty recruitment committee at: faculty-search@cs.umd.edu.

Both the Department of Computer Science (CS) and the Department of Electrical and Computer Engineering (ECE) at the University of Maryland are consistently ranked among the top-15 nationally. In 2019, the CS Department and some of the ECE faculty moved into their new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the CS and ECE departments is available at http://www.cs.umd.edu and at http://www.ece.umd.edu. To learn more about the Iribe Center, please visit https://iribe.umd.edu/.

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250-acre College Park campus is minutes away from Washington, D.C., the nexus of the nation’s legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, three international airports, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

University of Maryland College Park

Department of Computer Science

Assistant Professor, Associate Professor or Professor (Immersive Media)

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting for a tenure track position in areas related to immersive media, including but not limited to Artificial Intelligence, Computer Vision, Human-Computer Interaction, Computer Audition, Machine Learning, Visualization, Computer Graphics, and XR/AR/VR, with starting dates on or after July 1, 2022. The opening is not restricted to any rank and outstanding candidates at all levels are encouraged to apply. Successful applicants will also be considered for joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

The successful candidate will have the opportunity to join exciting new collaborative initiatives across the campus to develop programs that integrate art and technology in support of new and emerging forms of digital and immersive media. The Immersive Media Design program (https://imd.umd.edu) is a collaboration between the Departments of Computer Science and Art that supports new interdisciplinary majors in immersive media, and its many applications in art, entertainment, interactive games, medicine, industry, data visualization, architecture, and other fields. The Immersive Media Design program is a cornerstone of the University of Maryland Arts for All initiative (https://arts.umd.edu) to make UMD a national leader in new media. We are looking for candidates interested in engaging with these initiatives through their research and teaching.

The Department of Computer Science is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply online at https://ejobs.umd.edu in order
to receive consideration. Search under Faculty for position #126846. Applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by December 31, 2021. Applications are accepted until the position is filled. Candidates will be prompted when submitting their application to submit all information for their references. Questions can be directed to the faculty recruitment committee at faculty-search@cs.umd.edu.

The Department of Computer Science at the University of Maryland is consistently ranked among the top-15 nationally. It is one of the largest departments in the country, with approximately 55 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 295 doctoral students drawn from top undergraduate programs nationally and internationally. In 2019, the department moved into its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the Department of Computer Science and UMIACS is available at http://www.cs.umd.edu and at http://www.umiacs.umd.edu. To learn more about the Iribe Center, please visit: https://iribe.umd.edu/

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250-acre College Park campus is minutes away from Washington, D.C., the nexus of the nation’s legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, three international airports, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

University of Maryland, College Park
Cybersecurity and Privacy Faculty Member

The Maryland Cybersecurity Center (MC2) has openings for multiple tenured and/or tenure-track faculty positions in cybersecurity and privacy, broadly defined. Strong candidates will be considered in all areas of cybersecurity and privacy. Candidates with interdisciplinary backgrounds connecting security and privacy to other domains are strongly encouraged to apply. Successful applicants will have a tenure home either with the Department of Computer Science or the Department of Electrical and Computer Engineering at the University of Maryland and will also have a joint appointment at the University of Maryland Institute for Advanced Computer Studies (UMIACS). The Maryland Cybersecurity Center is committed to building a diverse faculty pre-eminent in its mission of research, education, and service to the community: we strive to create an inclusive environment where every member of our community feels that they belong and are empowered to reach their full potential. We especially encourage applications from women and underrepresented minorities. In addition, candidates who have experience and/or interest engaging with a diverse range of faculty, staff, and students in promoting and fostering inclusivity are encouraged to discuss their perspectives on these subjects in the application materials.

The Maryland Cybersecurity Center and the departments of Computer Science and Electrical and Computer Engineering at the University of Maryland are consistently ranked in the top 15 among U.S.-based institutions. In 2019, the Maryland Cybersecurity Center moved into its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the Maryland Cybersecurity Center, the Department of Computer Science, the Department of Electrical and Computer Engineering and UMIACS is available at https://www.cyber.umd.edu, https://www.cs.umd.edu, https://www.ece.umd.edu, and at https://www.umiacs.umd.edu. Information about the university’s
work and family policies can be found at [https://go.umd.edu/workfamily](https://go.umd.edu/workfamily).

Interested candidates should apply online at [https://ejobs.umd.edu/postings/86992](https://ejobs.umd.edu/postings/86992). Search under Faculty for position 105032.

Applications will be accepted until all positions are filled, but for best consideration please upload all materials by Dec 1, 2021. Questions for the faculty recruitment committee can be sent to jobs@umd.edu.

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250-acre College Park campus is minutes away from Washington, D.C., the nexus of the nation’s legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students. The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

**University of Maryland, College Park**

**Endowed Professors in Data Science and Machine Learning**

The College of Computer, Mathematical and Natural Sciences is recruiting to fill three endowed professor positions in Data Science and Machine Learning. Outstanding mid-career and senior candidates across all sub-fields, including applications of machine learning or data science in any area; and candidates working in foundational areas as well as interdisciplinary candidates working in exciting domains will be considered. Successful applicants may have a home department in Computer Science, Mathematics, or another appropriate department, or may have a joint appointment in two departments.

Minimum qualifications: Ph.D. in appropriate academic discipline. Strong demonstrated record in research, mentoring, and service to the broader scientific community.

Applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and the names of at least four references. Best consideration date is December 31, 2021. Applications are accepted all year until all positions are filled.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

**University of Maryland, College Park**

**Department of Computer Science**

**Assistant Professor, Associate Professor or Professor (Data Science)**

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill a tenure track faculty position in data science, with starting dates on or after July 1, 2022. Exceptional candidates in all aspects of data science, including systems, algorithms, theory, machine learning, visualization, and applications, are being sought. The opening is not restricted to any rank and outstanding candidates at all levels are encouraged to apply. Successful applicants will have their tenure home in the Department of Computer Science, and they will also be

considered for joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute. The department is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply on-line at https://ejobs.umd.edu in order to receive consideration. Search under Faculty for position #126847. Applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by December 31, 2021.

Applications are accepted until all positions are filled. Candidates will be prompted when submitting their application to submit all information for their references. Questions can be directed to the faculty recruitment committee at: faculty-search@cs.umd.edu.

The Department of Computer Science at the University of Maryland is consistently ranked among the top-15 nationally. It is one of the largest departments in the country, with approximately 55 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 295 doctoral students drawn from top undergraduate programs nationally and internationally. In 2019, the department moved into its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the Department of Computer Science and UMIACS is available at http://www.cs.umd.edu and at http://www.umiacs.umd.edu. To learn more about the Iribe Center, please visit: https://iribe.umd.edu/.

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250-acre College Park campus is minutes away from Washington, D.C., the nexus of the nation’s legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, three international airports, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

University of Maryland, College Park

Open Rank Lecturer Data Visualization

The College of Information Studies at the University of Maryland, College Park (UMD’s iSchool), invites applications for a full-time lecturer who is highly competent, energetic, collegial, and flexible to join our exciting environment. As a lecturer in the iSchool, you will work closely with undergraduate and graduate students by teaching three classes per semester (fall and spring), participate in review and development of program and course curricula, and actively participate in the life of the college and university as a full member of the faculty.

Successful candidates will have expertise and interests in areas such as, but not limited to:

• Data visualization, including visualization, interactive visualization, information visualization, scientific visualization;
• Visual analytics, including visual analysis, progressive analytics, visual reasoning, analytical reasoning, immersive analytics; or
• Visual data exploration, including exploratory data analysis, graphical inference, statistical graphics

Possible course assignments include: Introduction to Data Visualization, Data
Professional Opportunities

Visualization, Visual Analytics, Decision-Making for Information Science, and Big Data Analysis & Visualization.

While these areas of expertise and courses are of particular interest, candidates with expertise and interest in any data visualization topics are encouraged to apply.

The expected start date for this position is Fall 2022.

For more information about the position, please visit: https://ejobs.umd.edu/postings/91031

University of Massachusetts Amherst

Executive Director of Operations - MassAITC

The Robert and Donna Manning College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst invites applications for an Executive Director of Operations for the Massachusetts AI and Technology Center for Connected Care in Aging and Alzheimer’s Disease (MassAITC).

MassAITC aims to foster interdisciplinary research on the development, validation and translation of emerging AI-enhanced technologies to support healthy aging as well as the care of individuals with AD/ADRD. MassAITC is funded by a $20 million, five-year award from the National Institutes of Aging. More information on MassAITC can be found at https://massaitc.org.

For the complete position announcement including minimum qualifications and application instructions, please visit https://careers.umass.edu/amherst/en-us/job/510738/executive-director-of-operations-massaitc.

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

Multiple TT and NTT Faculty Positions

The College of Information & Computer Sciences (CICS) at the University of Massachusetts Amherst invites applications for multiple tenure-track and non-tenure-track faculty positions in the Information and Computer Sciences.

- NTT Teaching Faculty-All areas, with particular interest in Bio/Health Informatics
- TT Associate/full Professor-Robotics
- TT Assistant/Associate Professor-Quantum Information Systems
- TT Assistant/Associate Professor-Theoretical Computer Science
- TT Assistant/Associate Professor-Computer Vision and Machine Learning
- TT Assistant/Associate Professor-Programming Languages/Software Engineering

Established in 2015, the College of Information and Computer Sciences (CICS) is home to a U.S. News & World Report top-twenty ranked computer science graduate program. Today, CICS has 86 faculty, including 36 new faculty hired in the past five years. Our faculty includes 44 Fellows of the ACM, AAAI, AAAS, IEEE, and similar societies. Research funding from industry and government exceeded $22 million in the past year. The college maintains significant research collaborations with more than 50 industry-leading technology companies. United by a revolutionary vision for computing research, education, and outreach—Computing for the Common Good—the CICS community seeks applicants who will contribute to the college’s collegial, inclusive environment.

Rank and salary will be highly competitive and commensurate with qualifications and experience. For more information and to submit an application, please visit: https://cics.umass.edu/jobs. If you wish to be considered for more than one opening, please submit an application for each one.

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Boston

Non-Tenure-Track Lecturer

Job description:

The Department of Computer Science at the University of Massachusetts Boston seeks applications for a full time, benefited, non-tenure-track lecturer whose primary responsibility will be to teach in and help shape our undergraduate Computer Science major. The initial appointment will be for the Spring 2022 semester, with renewals possible (and expected) for the right person.
The lecturer provides instruction at the undergraduate level in the Department of Computer Science (http://www.cs.umb.edu) in a range of computer science topics. Primary responsibilities include teaching four courses each semester, developing new materials for courses, advising students and overseeing processes for the program to maintain accreditation. Knowledge of assembly programming, computer architecture, and operating systems is highly desirable.

Requirements:

Prior experience in teaching Computer Science at the university level; significant prior experience in the Software or Information Technology industry. The candidate must hold a Master’s or higher degree in Computer Science or a related area.

Additional information:

UMass Boston provides equal employment opportunities (EEO) to all employees and applicants for employment.

Application Instructions:

To apply, please submit your application consisting of a CV with a cover letter, a statement about your teaching and work experience and the names and email addresses of three references online.

Review of applications will begin on December 20th, 2021 and continue until the position has been filled.

For additional details, please email hiring@cs.umb.edu

---

**University of Massachusetts Dartmouth**

**Full-Time Lecturer Position in Computer and Information Science**

The Department of Computer and Information Science (CIS) in the College of Engineering at the University of Massachusetts Dartmouth invites applications for a Full-Time Lecturer position in the area of software engineering or related field in computer science starting in September 2022. Primary responsibilities for this position include undergraduate and graduate instruction with both classroom and online teaching modes and student advising.

The University of Massachusetts Dartmouth is located in the beautiful ocean side community of Dartmouth, about an hour south of Boston, half-hour east of Providence, and half-hour west of Cape Cod. It offers a world-class education to more than 9,300 undergraduate and graduate students each year in over 40 undergraduate and 23 graduate programs.

Candidates must have earned a Master’s degree in computer science or closely-related field at the time of employment, have experience with teaching at the college level and be authorized to work in the US on a full-time basis. Strong candidates will have a Ph.D. degree in computer science or closely-related field, documented success in teaching at the college level, experience with both classroom and online modes of instruction, and research and development experience in the area of software engineering or related fields. We are especially interested in receiving qualified applications from minorities, women, veterans and persons with disabilities.

Further information and application instructions are available at http://www.umassd.edu/hr/employmentopportunities/

---

**University of Michigan**

**Assistant/Associate/Professor**

The Robotics Institute in the College of Engineering at the University of Michigan, Ann Arbor invites applications for junior or senior faculty positions that will join our mission to accelerate advances in robotics for the benefit of society. Successful candidates will have a relevant doctorate or equivalent experience and an outstanding record of achievement and impactful research in academics, industry and/or at national laboratories. They will have a strong record or commitment to teaching at the undergraduate and graduate levels, to providing service to the university and to the profession, and to broadening the intellectual diversity of the College.

The Robotics Institute invites candidates across all research areas relevant to robotics to apply. Women and underrepresented minorities are encouraged to apply. Please see application instructions and further information at https://robotics.umich.edu/jobs/.

Note that application review will begin on November 15, 2021 and will be reviewed on a rolling basis. All applications submitted by December 17, 2021 will receive full consideration.
The Robotics Institute is committed to providing its members with an environment filled with integrity, enthusiasm, and respect. We practice our values and welcome opportunities to grow and build upon them to improve our culture. More about Michigan Robotics’ values can be found at: [https://robotics.umich.edu](https://robotics.umich.edu)

Michigan Engineering’s vision is to be the world’s preeminent college of engineering serving the common good. This global outlook, leadership focus and service commitment permeate our culture. Our vision is supported by a mission and values that, together, provide the framework for all that we do. Information about our vision, mission and values can be found at: [http://strategicvision.engin.umich.edu](http://strategicvision.engin.umich.edu)

The University of Michigan has a storied legacy of commitment to Diversity, Equity and Inclusion (DEI). The Michigan Engineering component of the University’s comprehensive, five-year, DEI strategic plan—along with updates on our programs and resources dedicated to ensuring a welcoming, fair and inclusive environment—can be found at: [http://www.engin.umich.edu/college/about/diversity](http://www.engin.umich.edu/college/about/diversity)

U-M COVID-19 Vaccination Policy - COVID-19 vaccinations are now required for all University of Michigan students, faculty and staff across all three campuses, including Michigan Medicine, by the start of the fall term on August 30, 2021. This includes those working or learning remotely. More information on this policy is available on the Campus Blueprint website or the U-M Dearborn and U-M Flint websites.

The University of Michigan is an Affirmative Action, Equal Opportunity Employer with an Active Dual-Career Assistance Program. The College of Engineering is especially interested in candidates who contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community

---

**University of Michigan**

**Endowed Esports Professorship with a Focus on User Experience and Data Analytics**

The School of Information (UMSI) at the University of Michigan seeks candidates for a newly created endowed professorship in esports with a focus on data-informed user experience design at the rank of associate or full professor. The rapidly growing area of esports competition has created new opportunities for both the field of human-computer interaction and the use of computer-generated data streams to understand human performance. Ultimately, the University of Michigan seeks to build an academic program for the study of esports that builds connections across disciplines and across campus, including to student-led competitive esports teams. Through this endowed professorship, the School of Information is poised to take a leadership position in this exciting new field.

The successful candidate will be committed to a research program focused on using the esports context to advance user experience design principles and methods using remotely-collected user data. In recent years, there has been a sharp increase in engagement with esports, and for many, this has become their primary spectator sport, surpassing traditional sports. Because of the scale of esports, and the fact that all interactions occur in a digital environment (both participants and spectators), this is a rich domain to explore the use of remotely-collected user data to personalize user experiences. Our highest priority in this search are candidates with an established record of scholarship related to esports. We will also consider candidates who are committed to expanding their current scholarship to include a focus on esports. The successful candidate will also broadly stimulate growth at UMSI and U-M in the use of remotely-collected user data to inform user experience design across a range of application areas. In addition, the successful candidate will be prepared to design and offer a university-level course that uses esports as a platform to explore a range of esports topics - including the experience of esports athletes and audiences - but also covering the economics and management of esports leagues, analytics around esports engagement and viewership, and novel interface approaches (e.g., XR or extended reality). The successful candidate will be expected to build research relationships with the College of Engineering, School of Kinesiology, the Ross School of Business, and other relevant units across the U-M campus.

All applicants should submit a cover letter, a vita, three representative publications, evidence of teaching excellence, a statement of teaching philosophy and experience, a statement of current and future research plans, a statement detailing contributions to diversity, and the names of three potential recommendation letter writers.

All application materials must be submitted electronically to: [http://apply.interfolio.com/98145](http://apply.interfolio.com/98145)
Professional Opportunities

The University of Michigan is an equal opportunity/affirmative action employer.

University of Michigan
Endowed Esports Professorship with a Focus on User Experience and Data Analytics

Position Description
The School of Information (UMSI) at the University of Michigan seeks candidates for a newly created endowed professorship in esports with a focus on data-informed user experience design at the rank of associate or full professor. The rapidly growing area of esports competition has created new opportunities for both the field of human-computer interaction and the use of computer-generated data streams to understand human performance. Ultimately, the University of Michigan seeks to build an academic program for the study of esports that builds connections across disciplines and across campus, including to student-led competitive esports teams. Through this endowed professorship, the School of Information is poised to take a leadership position in this exciting new field. For more information click on UMSI website.

Application process
All application materials must be submitted electronically to: http://apply.interfolio.com/98145. Please direct inquiries about this position to the chair of our faculty search committee, Dr. Barry Fishman (fishman@umich.edu). Applications submitted by January 20, 2022 will receive full consideration.

Equal Employment Opportunity Statement
The University of Michigan is an equal opportunity/affirmative action employer.

University of Michigan
Clinical Assistant or Clinical Associate Professor in Digital Archives, Libraries, and Curation

The School of Information at the University of Michigan (UMSI) seeks clinical professors at the assistant or associate professor levels in the field of Digital Archives, Libraries, and Curation. UMSI seeks applicants who can contribute to the missions of the school and the university. For more information about the position and application instruction, please visit: https://www.si.umich.edu/about-umsi/prospective-faculty. Job duties include teaching, research, and service.

Minimum Requirements
• Master’s Degree in an area such as information, library or archival science, or a related discipline
• Outstanding contributions to professional engagement and practice at the Associate level leadership in professional engagement and practice

University of Michigan
Computer Science & Engineering Faculty Positions

Computer Science and Engineering (CSE) at the University of Michigan College of Engineering invites applications for multiple tenure-track and teaching faculty (lecturer) positions, as part of its aggressive long-term growth plan. We seek exceptional candidates in all areas across computer science and computer engineering and across all ranks. Qualifications include an outstanding academic record, an awarded or expected doctorate (or equivalent) in computer science, computer engineering, or a related area. We seek faculty members who commit to excellence in graduate and undergraduate education, will develop impactful, productive and novel research programs, and will contribute to the department’s goal of eliminating systemic racism and sexism by embracing our culture of Diversity, Equity and Inclusion.

We will begin reviewing applications as soon as they are received starting October 1st, 2021 and continuing throughout the year. For more details on these positions and to apply, please visit https://cse.engin.umich.edu/about/faculty-hiring/.
The University of Michigan is one of the world’s leading research universities, consisting of highly ranked departments and colleges across engineering, sciences, medicine, law, business, and the arts, with a commitment to interdisciplinary collaboration. CSE is a vibrant and innovative community, with over 70 world-class faculty members, over 300 graduate students, and a large and illustrious network of alumni. Ann Arbor is known as one of the best small cities in the nation.

Michigan Engineering’s vision is to be the world’s preeminent college of engineering serving the common good. This global outlook, leadership focus, and service commitment permeate our culture. Our vision is supported by our mission and values that, together, provide the framework for all that we do. Information about our vision, mission and values can be found at http://strategicvision.engin.umich.edu/.

The University of Michigan has a demonstrated legacy of commitment to Diversity, Equity and Inclusion (DEI). The Michigan Engineering component of the University’s comprehensive, five-year, DEI strategic plan—with updates on our programs and resources dedicated to ensuring a welcoming, fair, and inclusive environment—can be found at: http://www.engin.umich.edu/college/about/diversity. CSE is firmly committed to DEI and improving our climate through transparent communication and effective action, as shown in our annual report: https://cse-climate.engin.umich.edu/reports/climate-dei-reports/cse-climate-dei-report-20-21/.

U-M COVID-19 Vaccination Policy
COVID-19 vaccinations are now required for all University of Michigan students, faculty and staff across all three campuses, including Michigan Medicine, by the start of the fall term on August 30, 2021. This includes those working or learning remotely. More information on this policy is available on the Campus Blueprint website.

The University of Michigan is an equal opportunity/affirmative action employer, and is responsive to the needs of dual career families.

University of Michigan
Computer Science & Engineering Teaching Faculty Positions
Michigan CSE is hiring for multiple long-term, career-oriented teaching faculty positions. We are seeking passionate individuals to join our community of teaching-focused faculty, and who will support our teaching mission and further our goal of creating a diverse, inclusive, and representative Computer Science community within our department and in the field at large.

Teaching Faculty are typically responsible for 2 courses per semester, sometimes 2 sections of the same course, with a mix of introductory, core, and specialized upper-level courses based on preference and expertise. Faculty often work in collaborative teams when courses have multiple sections. Teaching faculty hold leadership roles in designing the curriculum and structuring our student experiences. We are seeking candidates who share our commitment to equity-centered engineering, and who strive for continued personal and professional development in the areas of pedagogy, diversity, equity, and inclusion.

Teaching faculty are active and engaged members of the department faculty. They are involved in departmental service and leadership, and many choose to be involved in scholarly research in their own technical area or in computer science education (though research is not required). A plethora of opportunities are available to teaching faculty for professional development, innovation, and research in teaching and learning in CS.

Faculty are supported by outstanding teaching assistants, who play a critical role in instruction, student support, building an inclusive environment, and course development. Department-level course support staff assist with administrative and logistic needs.

We will begin reviewing applications as soon as they are received beginning October 1st, 2021, and continue throughout the academic year. Positions may start as early as the Winter 2022 term. Initial appointments include a renewable 3-year contract. Applicants will be evaluated based on demonstrated evidence of excellent teaching, ability to positively impact and support students, and commitment to creating a diverse and inclusive CS community, as well as potential for growth and professional development in these areas.

This position is covered under the collective bargaining agreement between
the U-M and the Lecturers Employee Organization, AFL-CIO, which contains and settles all matters with respect to wages, benefits, hours and other terms and conditions of employment.

Apply at https://cse.umich.edu/cse/jobs/ and direct questions to Dr. Andrew DeOrio awdeorio@umich.edu. Include a cover letter, CV, teaching statement, DEI statement, research statement (optional), three references, and teaching evals (if any).

University of Michigan
Tenure-Track Faculty Position in Biostatistics

The Department of Biostatistics at the University of Michigan is seeking applicants for a tenure-track (Assistant Professor) faculty position, expected to start at the beginning of the Fall semester, 2022. A particular focus of the position is on candidates who have interests in big data and health data science in biomedical applications that include, but are not limited to, the development of methodology and algorithms for learning from complex and heterogeneous data, for large-scale study design and data visualization, and for combining the results of different models in ensemble analyses. Required qualifications include a Ph.D. degree or equivalent in biostatistics, statistics, data science, computer science, bioinformatics, or other related quantitative discipline, and a strong research interest in health data science. Excellent candidates for the position with other research focus will also be considered and are encouraged to apply.

The University of Michigan is an affirmative action/equal opportunity employer. Applications from women and minorities are welcomed and strongly encouraged.

For more details and to apply, please visit https://sph.umich.edu/biostat/job-postings/asst_professor_tenure_track.html.

University of Michigan-Dearborn
Assistant Professor in Computer and Information Science (CIS)

The CIS Department at the University of Michigan-Dearborn invites applications for one tenure-track Assistant Professor position. Applicants in areas related to AI Systems (e.g., intelligent agents, natural language processing, AI software development, AI-powered analytics, etc.) or Visual Computing (e.g., computer graphics, game design, visualization, virtual and augmented reality, etc.) will be considered. The expected starting date is September 1, 2022. Although candidates at the Assistant Professor rank are preferred, exceptional candidates may be considered for the rank of Associate Professor depending upon experience and qualifications. We offer competitive salaries and start-up packages.

The CIS Department offers several B.S. and M.S. degrees, and a Ph.D. degree. The current research areas in the department include artificial intelligence, computational game theory, computer graphics, cybersecurity, data privacy, data science/management, energy-efficient systems, game design, graphical models, machine learning, multimedia, natural language processing, networking, service and cloud computing, software engineering, and health informatics. These areas of research are supported by several established labs and many of these areas are currently funded by federal agencies and industries.

The department and College of Engineering of Computer Science value a culture of diversity, equity, and inclusion. We are committed to the development of diverse and culturally intelligent faculty who thrive and contribute to a positive and inclusive environment.

Qualifications:

Qualified candidates must have earned a Ph.D. degree in computer science or a closely related discipline by September 1, 2022. Candidates will be expected to do scholarly and sponsored research, as well as teaching at both the undergraduate and graduate levels.

Applications:

Applicants should send a cover letter, curriculum vitae, statements of teaching, research interests, and diversity, evidence of teaching performance (if any), and a list of three references through Interfolio at http://apply.interfolio.com/93511 for the position.

Review of applications will start on January 15, 2022, but applications will be accepted until the position is filled.

The University of Michigan-Dearborn is an equal opportunity/affirmative action employer.
University of Mississippi  
Multiple TT Assistant/Associate Professor Openings  
The Department of Computer and Information Science in the School of Engineering at the University of Mississippi invites applications for multiple tenure-track faculty positions at the Assistant or Associate Professor level. Applicants must hold a Ph.D. or equivalent in Computer Science or a closely related field by the time of appointment. Applicants must have the ability to teach a range of undergraduate and graduate courses in computer science, contribute to the development of the Department’s growing emphases in data science and computer security, conduct research in related areas, and supervise M.S. and Ph.D. students. Candidates with an established record of teaching and research will be considered at an Associate Professor rank. The Department has an ABET/CAC-accredited undergraduate program and M.S. and Ph.D. programs. Visit [http://www.cs.olemiss.edu](http://www.cs.olemiss.edu) for more information about the Department.  
Applicants must apply online at [https://careers.olemiss.edu](https://careers.olemiss.edu), supplying the following documents: a cover letter; a curriculum vitae; research and teaching statements; and a list of three references with email addresses and phone numbers. Combine the documents into a single PDF and upload it in the resume or cover letter slot.  
Review of applications will begin immediately and continue until the position is filled or an adequate applicant pool is reached.  
For additional information, contact Dr. Yixin Chen at yixin@olemiss.edu.

University of Missouri-St. Louis (UMSL)  
Post-Doc position on AI-driven Cybersecurity and IoT Systems  
There is currently a post-doc opening (at least a 2-year contract) at the Computer Science department of the University of Missouri-St. Louis (UMSL). Focused research areas are on “AI/ML-driven Cybersecurity, Edge Computing, and IoT systems”. The responsibilities include research in the junction of machine learning, Cybersecurity, edge computing, and Internet of Things (IoT). US citizenship or permanent residency (green card) is required.  
Applicants must combine all application materials (cover letter, resume/CV, and list of three references with contact information) into one PDF or Microsoft Word document and upload as a resume attachment.  
Please apply through [this link](http://www.cs.umsl.edu/~pan/).  
For inquiries, please contact Dr. Jianli Pan via: pan@umsl.edu  
For more information about the team’s current research, please visit: [http://www.cs.umsl.edu/~pan/](http://www.cs.umsl.edu/~pan/)

University of Nebraska at Omaha  
Assistant/Associate Professor - Computer Science  
The Department of Computer Science at the University of Nebraska at Omaha (UNO) invites applications for a tenure-track/tenured position at the rank of Assistant or Associate Professor with an emphasis in computing education, learning sciences and technology, Al-game, human-centered computing, computing for social good, and related areas. As this position will contribute to UNO’s innovative graduate program in Computer Science Education, prior experience with pedagogical best practices and working with K-12 teachers or students is preferred. The candidate should have a strong potential to conduct high quality research, seek research grants, and be committed to excellence in teaching at both undergraduate and graduate levels. The candidate is also expected to engage in interdisciplinary collaborations across the university. Exceptional candidates with prior experience will be considered at the Associate Professor rank.  
This is a full-time, benefits eligible position with an anticipated start date of August 15, 2022. Candidates must have completed an earned doctorate in computer science or related disciplines by the expected start date.  
To apply, please visit [http://unomaha.peopleadmin.com/](http://unomaha.peopleadmin.com/). A full application, including cover letter, vita, teaching statement, diversity statement, research statement, and contact information for 3 references is required for full consideration.  
Review of applications will begin on December 30th, 2021 and will continue until the position is filled.  
The University of Nebraska does not discriminate based on race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital
status, and/or political affiliation in its programs, activities, or employment.

UNO is a VEVRAA Federal Contractor and an E-Verify employer.

University of Nebraska at Omaha

Assistant Professor - Computer Science

Department of Computer Science at the University of Nebraska at Omaha (UNO) invites applications for a tenure-track Assistant Professor position with an emphasis on Machine learning, Artificial Intelligence, AR/VR, Computer Systems, Computer Security, and Software Engineering. Exceptional candidates in all areas of computer science are encouraged to apply. The candidate should have potential to conduct high quality research, seek research grants, and be committed to excellence in teaching at both undergraduate and graduate levels. The candidate is also expected to engage in interdisciplinary collaborations across the university. This is a full-time, benefits eligible position with an anticipated start date of August 15, 2022. Candidates must have completed an earned doctorate in computer science or related disciplines by the expected start date.

To apply, please visit http://unomaha.peopleadmin.com. A full application, including cover letter, vita, teaching statement, diversity statement, research statement, and contact information for 3 references is required for full consideration.

Review of applications will begin on December 30th, 2021 and will continue until the position is filled. The University has a strong commitment to achieving diversity among faculty and staff.

The University of Nebraska does not discriminate based on race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation in its programs, activities, or employment.

UNO is a VEVRAA Federal Contractor and an E-Verify employer.

University of Nevada, Reno

Assistant Professor Cybersecurity

The Department of Computer Science and Engineering at the University of Nevada, Reno invites applications for one Tenure-Track Assistant Professor Faculty position in Cybersecurity starting July 1, 2022.

The new faculty member will help the CSE department expand their rapidly growing program in cybersecurity. Areas of highest interest include but are not limited to: hardware security, cloud security, database security, blockchain, and network security.

More details and application link here: https://www.unr.edu/cse/about/open-positions

University of Nevada, Reno

Lecturer in Computer Engineering

The Department of Computer Science and Engineering at the University of Nevada, Reno invites applications for one Tenure-Track Assistant Professor Faculty position in Robotics starting July 1, 2022.

The new faculty member will help the CSE department expand their rapidly growing program in robotics, which is currently ranked 28th in the US by CSRankings. Recently UNR’s CERBERUS team won the DARPA Subterranean Challenge. Areas of highest interest include but are not limited to: robot perception, learning and adaptive robot control, motion planning, human-robot interaction, field robotics, soft robotics, aerial robotics, and autonomous vehicles.

More details and application link here: https://www.cse.unr.edu/R0126866

University of New Hampshire

Lecturer in Computer Science

The Department of Computer Science of the University of New Hampshire (UNH) invites applications for a non-tenure-track Lecturer position to begin August 22, 2022. The principal role of this position is to teach a range
of courses in support of the programs offered by the department. We are especially interested in candidates with interests and demonstrated teaching experience in the areas of cybersecurity, systems-level programming, web and networking technologies, or computer science theory. The ideal candidate will have at least a master’s degree in a computing-related discipline and documented success as a teacher.

The University of New Hampshire is committed to building and nurturing an environment of inclusive excellence where all students, faculty, and staff can thrive. We also are committed to providing open and inclusive access for all alumni, volunteers, learners, employees, and visitors seeking to participate in our programs and activities. We venture to sustain a campus environment that fosters mutual respect and understanding. We believe diversity, equity, accessibility, and inclusion are foundational values inextricably linked to achieving our core educational mission; and we embrace the many characteristics of our community members that make them uniquely themselves. Here, you belong, and all are welcome.

Applicants must submit a cover letter, brief statement of teaching experience and interests, diversity statement, complete CV, and contact information for three professional references at https://jobs.usnh.edu/postings/36221. Your references will be contacted immediately following the submission of your application.

Applications will be reviewed as they are received until the position is filled, with those received by January 3, 2022, ensured full consideration.

### University of New Hampshire

**Tenure-Track Faculty of Computer Science**

[https://jobs.usnh.edu/postings/43872](https://jobs.usnh.edu/postings/43872)

The Department of Computer Science at the University of New Hampshire (UNH) invites applications for a full-time tenure-track assistant professor position to begin August 2022. We are seeking candidates whose research focus is in data science / machine learning or in the intersection of cybersecurity and systems, all broadly defined. A Ph.D. (or equivalent degree) in computer science or a closely related discipline is required by the time of appointment. While the main focus is at the Assistant Professor rank, exceptional candidates for Associate and Full Professor rank will be considered.

Candidates should have a record of excellent research and clear potential for excellent teaching. The teaching load will be one course per semester for the first three years to give the new hire ample time to mentor graduate students and grow a successful funded research program, after which the load will increase to three courses per year.

The Department offers B.A., B.S., M.S., and Ph.D. degrees and currently has 18 research and teaching faculty, over 400 undergraduate majors, and 60 graduate students. UNH is a land-, sea-, and space-grant university and serves as the flagship public research institution of New Hampshire. It is located in the vibrant seacoast area of the state, with easy access to both Boston and the White Mountains.

The University of New Hampshire is committed to building and nurturing an environment of inclusive excellence where all students, faculty, and staff can thrive. We also are committed to providing open and inclusive access for all alumni, volunteers, learners, employees, and visitors seeking to participate in our programs and activities. We venture to sustain a campus environment that fosters mutual respect and understanding. We believe diversity, equity, accessibility, and inclusion are foundational values inextricably linked to achieving our core educational mission; and we embrace the many characteristics of our community members that make them uniquely themselves. Here, you belong, and all are welcome.

To apply, submit a cover letter, a complete CV, brief research, teaching, and diversity statements, sample publications, and contact information for at least three references at [https://jobs.usnh.edu/postings/43872](https://jobs.usnh.edu/postings/43872).

Applications will be reviewed as they are received until the position is filled, with those received by January 3, 2022, ensured full consideration.

### University of New Haven

**Computer Science**

The University of New Haven invites applications for multiple non-tenure-track positions in computer science.

For a full description [Click here](#)
University of New Orleans

Two Tenure-Track Assistant Professor Positions in Computer Science

The Department of Computer Science at the University of New Orleans invites applications for two tenure-track Assistant Professor positions starting in Spring 2022 or Fall 2022. Candidates with expertise in gaming, AR/VR, machine learning & AI, and big data are especially encouraged to apply. Preference will be given to candidates whose interests and expertise augment existing strengths and exceptional candidates in any relevant area will be given due consideration.

The department hosts two research centers – the UNO Cyber Center (UNOCC) and the Canizaro Livingston Gulf States Center for Environmental Informatics (GulfSCEI) – and places a strong emphasis on both research and teaching excellence. The city of New Orleans offers a rich and unique cultural experience and opportunities for non-traditional collaborations.

The successful candidate will be expected to offer a broad range of specialized courses in their area of expertise, supervise graduate students, develop a nationally competitive research profile, and secure external research funding.

A Ph.D. in computer science or a closely related field is required for appointment. Successful applicants must possess a record of research excellence and demonstrate strong teaching commitments to graduate and undergraduate courses.

Interested applicants are invited to submit a resume, three recommendation letters, teaching, research, and diversity statements to: https://ulsuno.wd1.myworkdayjobs.com/en-US/UniversityOfNewOrleans/job/New-Orleans-La/Assistant-Professor_R-000186

Applications will be reviewed on a rolling basis until the positions are filled.

UNO is an Equal Employment Opportunity/Affirmative Action institution committed to excellence through diversity. UNO will not discriminate based upon race, ethnicity, color, sex, religion, national origin, age, disability, genetic information, sexual orientation, gender identity or expression, pregnancy, marital status, military or veteran status, or any other status or classification protected by federal, state, or local law. All eligible candidates are encouraged to apply.

University of North Carolina at Chapel Hill

Assistant/Associate Professor

The Computer Science Department of the University of North Carolina at Chapel Hill invites applications for tenure-track faculty positions at the level of Assistant or Associate Professor to begin on or after July 1, 2022.

We are seeking candidates who embrace excellence in research and teaching, and have a commitment to diversity, mentoring, and collaboration. We are conducting a broad-area search for candidates with a strong research record in areas including, but not limited to, the following: computer systems, computer vision, data science, security, robotics, biological computing, and augmented and/or virtual reality.

For more information and to apply please visit https://unc.peopleadmin.com/postings/216493

University of North Carolina at Charlotte

Assistant Teaching Professor Positions

The SIS Department at UNC Charlotte are soliciting applicants for two Assistant Teaching Professor positions in cyber security and software development. Priority will be given to applicants who have experiences or potential in online and face to face teaching of cyber security, programming, web development, and software systems courses.

Applicants must have a Ph.D. in Computer Science, Information Technology, Informatics, or a related field, as well as a strong commitment to teaching and teaching innovation. Applicants should have demonstrated commitment to quality teaching with prior experience or potential at the undergraduate and graduate levels, as well as demonstrated ability to contribute to diversity initiatives.

Applications must be submitted online at https://jobs.uncc.edu/

The application package should include:
1) Cover Letter / Letter of Interest. 2) Curriculum Vitae. 3) Teaching Statement (including teaching innovation and CS education research interest/experience). 4) Diversity Statement and 5) Contact information for three references.
University of North Carolina at Charlotte

Faculty Position in AI Department of Computer Science

The Department of Computer Science (http://cs.uncc.edu) at the University of North Carolina at Charlotte (UNC Charlotte) seeks candidates for a tenure-track faculty position at Assistant/Associate/Full Professor rank in the Artificial Intelligence (AI) area. The Department is particularly interested in candidates with foundational, use-inspired, or transdisciplinary research interests in Artificial Intelligence, including explainable AI, human-AI collaboration, machine learning, computer vision, and robotics.

The anticipated start date is Fall 2022. A detailed description of the position and the application process are available at https://jobs.charlotte.edu/postings/38379 (Three open positions will be filled from this posting). UNC Charlotte is North Carolina’s urban research university. The Department, home to over 2,000 students in B.S., M.S., and Ph.D. programs, seeks innovative, collegial candidates, who are committed to diversity, accessibility, and inclusion.

As an EOE/AA employer and an ADVANCE and Title III Institution that strives to create an academic climate in which the dignity of all individuals is respected and maintained, UNC Charlotte encourages applications from all underrepresented groups.

University of North Carolina at Charlotte

Faculty Positions

The SIS Department at UNC Charlotte are soliciting applicants for tenured/tenure-track faculty positions related to the department research signatures. Priority will be given to applicants who can collaborate with and contribute to the research directions in supply chain security, security in AI and Machine Learning, human centered design, behavioral analysis, and data analytics.

Applicants must have a Ph.D. in Computer Science, Information Technology, Informatics, or a related field, as well as a strong commitment to research and teaching. Applicants should have demonstrated achievement in original research and scholarship, demonstrated commitment to quality teaching with prior experience or potential at the undergraduate and graduate levels, as well as demonstrated ability or commitment to contribute to diversity initiatives.

Applications must be submitted online at https://jobs.charlotte.edu/

The application package should include: 1) Cover Letter / Letter of Interest, 2) Curriculum Vitae, 3) Contact information for three references, 4) Research Statement, 5) Teaching Statement, 6) Diversity Statement, and 7) Copies of three representative scholarly publications.

Review of applications will begin November 2021 and continue until the positions are filled.

EOE

University of North Carolina at Greensboro

Assistant Professor of Computer Science

The University of North Carolina at Greensboro (UNCG) seeks applications for two tenure-track positions at the rank of Assistant Professor in the Department of Computer Science starting August 1, 2022. For position 998636, we are particularly interested in candidates who work in systems and computer architecture or related core computer science fields. For position 999418, we are particularly interested in candidates who work in data science and interdisciplinary research.

The Department of Computer Science at UNCG is a thriving department with an established, ABET-accredited B.S. degree program and an active M.S. degree program, and a new Ph.D. program to be established in Fall 2022. For more information, visit http://compsci.uncg.edu/.

UNCG is a public coeducational, doctoral-granting residential university chartered in 1891 with an undergraduate population of 56% ethnic minority students. UNCG is proud of the diversity of its student body and we seek to attract an equally diverse applicant pool for these positions.

AA/EOE: UNCG is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race.
color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran.

Individuals with disabilities requiring disability-related accommodations in the application and interview process, please email us at askeeo@uncg.edu. Final candidates are subject to criminal & sex offender background checks. Some vacancies also require credit or motor vehicle checks. If the highest degree is from an institution outside of the U.S., final candidates are required to have their degree verified prior to start date.

UNCG participates in E-Verify. Federal law requires all employers to verify the identity and employment eligibility of all persons hired to work in the United States.

Candidates must hold or anticipate a Ph.D. in Computer Science or a related discipline by August 1, 2022.

Submit CV, research and teaching statements, names of four professional references through UNCG SpartanTalent at https://spartantalent.uncg.edu and click on “Tenure Stream Faculty” to find the appropriate job posting. You may direct your informal inquiries to Dr. Jing Deng, Department of Computer Science, University of North Carolina at Greensboro, Greensboro, NC 27402 (cssearch@uncg.edu).

Review of applications will begin on January 5, 2022 and continue until the positions are filled.

University of North Florida
School of Computing - Two Assistant Professors
https://www.unfjobs.org/postings/18308
Position Numbers: 312640 and 339940

The School of Computing at the University of North Florida is hiring two (2) tenure-earning positions at the assistant professor rank, to begin August 2022. The successful candidates must have an earned Ph.D. degree (or will earn a Ph.D. degree by August 2022) in the field of Computing from an accredited institution. The successful candidate must demonstrate the potential for excellence in teaching and in research. The School of Computing offers academic programs in computer science, data science, information systems, information technology, and information science. The School of Computing continues to grow its students’ body, research productivity, and successful partnerships with the Northeast Florida community. Outstanding candidates may be considered for the Morales Endowed Professorship, which comes with teaching load reduction and funds to support research.

Position responsibilities will include teaching undergraduate and graduate courses in Computing as well as conducting research. A commitment to excellence in teaching and ability to establish/conduct outstanding research with tangible outcomes are expected from the successful candidate. The School of Computing provides a collegial, collaborative environment for its faculty and staff with strong commitment to students’ success, diversity and inclusion, and national prominence.

Applicants must complete an online application at www.unfjobs.org to include a letter of interest, a curriculum vitae, a list of three references with contact information, unofficial transcripts, a teaching statement, a statement of vision for research, and a diversity statement describing any current diversity and inclusion efforts and/or future plans. A pre-employment background check is performed on candidates selected for employment. Please direct your questions to the search committee chair Dr. Sanjay Ahuja at (904) 620-2985 or by e-mail at sahuja@unf.edu.

Review of applications will begin on November 8, 2021 and continue until the positions are filled.

UNF is an Equal Opportunity/Equal Access/Affirmative Action Employer. Minorities, women, veterans & spouses of veterans, and disabled persons are encouraged to apply.

Jacksonville is one of the largest cities of the southeast with a diverse economy and an affordable cost of living. Residents enjoy a mild climate and access to great beaches. For more information visit: www.visitjacksonville.com and www.coj.net.

University of North Texas
Department Chair, Computer Science and Engineering
The Computer Science and Engineering (CSE) department (computerscience.engineering.unt.edu) of UNT, a Carnegie-
ranked Tier One research university, seeks nominations or applications for the chairperson position at the rank of Professor. CSE department is home to 12 Professors, 10 Associate Professors, 8 Assistant Professors, 5 Lecturers, 8 Clinical faculty, over 100 Ph.D. students, over 1,000 master’s students, and over 1,300 bachelor students. Thirty faculty members have joined CSE department since 2010, and we are continuing to expand. Faculty members in the department have received the NSF CAREER Award each year in recent years.

The CSE department at UNT offers a Ph.D. degree in Computer Science and Engineering, M.S. degrees in Artificial Intelligence, Computer Engineering, Computer Science, Cybersecurity and Data Engineering, ABET-accredited B.S. degrees in Computer Science and Computer Engineering, an ABET-accredited B.A. degree in Information Technology, and a new B.S. degree in Cybersecurity. Along with other state-of-the-art facilities on campus, CSE’s 18 research laboratories and centers provide a world-class environment for learning and discovery. The faculty in the department have a strong track record of grant funding from NSF, DOD, DOE, NIH, NSA, and industry. Current research interests of the faculty include artificial intelligence, bioinformatics, collaborative learning, computer systems architecture, computer vision, cybersecurity, databases, game programming, high-performance computing, human-computer interaction, machine learning, natural language processing, parallel and distributed processing, software engineering, and theoretical computer science (https://computerscience.engineering.unt.edu/research).

Nominations and enquiries can be sent to Dr. Song Fu, Chair of the Search Committee at Song.Fu@unt.edu. Applications should be submitted directly through jobs.untsystem.edu and must include a detailed CV, a summary of research, teaching, and management experience, a statement on vision for a high-ranking CSE Department, and a list of five references. Please upload a Diversity Statement describing how you will contribute to diversity, equity and inclusion in the UNT Computer Science and Engineering Department.

Applications should be preferably submitted by February 1, 2022. However, screening of nominations and applications will continue until the search is closed.

Link to posting: https://jobs.untsystem.edu/postings/53079

University of Notre Dame
Postdoctoral Research Associate
The Department of Computer Science and Engineering at the University of Notre Dame has an open postdoctoral position to study computational social science in the dis/misinformation arena. This is an annual renewable appointment for up to two years, subject to performance and funding. Areas of focus will include empirical and experimental analysis of social media content, models for the spread of information, and cognitive models of information processing.

The ideal candidate will have a PhD in computing, social science, or statistics; a strong background in analysis and modeling of computer mediated social systems; a strong interest in computational social science; and solid programming skills necessary to handle big data and large scale experiments. Strong team management skills are required.

Applicants must submit a cover letter and CV to apply.interfolio.com/98634.

To guarantee full consideration, applications must be received by January 15, 2022, however, review of applications will continue until the position has been filled.

The University is an Equal Opportunity and Affirmative Action employer; we strongly encourage applications from women, minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

University of Oklahoma
Faculty Positions in ECE Available
The University of Oklahoma (OU), Gallogly College of Engineering (GCoE), invites applicants for the following two positions in the Schools of Electrical & Computer Engineering and Industrial & Systems Engineering:

Professor or Associate Professor in Human-Computer Teaming and
Interactive Decision Making - Humans and computers have complementary knowledge and skillsets. To solve challenging problems, we need to team these expertise together for effectiveness, reliability, efficiency, and adoption of many data-driven solutions. This area is cross-disciplinary and we seek a senior faculty member with expertise in one or more of human-computer teaming, visualization, visual analytics, human-machine interaction, decision theory, HCI, human factors and industrial engineering, or cognitive psychology. This faculty member will be a vital core team member in data science and data-driven decision making with a home department in ECE and possible joint appoint in ISE, Computer Science, Psychology, and/or Political Science.

Apply here: https://apply.interfolio.com/97229

2) Assistant Professor in AI Architectures - We seek to recruit a transdisciplinary faculty member with expertise in one or more of the following areas: scalable, high-performance software and hardware architectures for AI and advanced analytics, advanced and domain-tailored data science, AI (trustable, science-based, and human-guided), and human-computer teaming. Specific areas of interest include probabilistic, neuromorphic, and novel architectures, software pipelines and operating system architectures to support high-performance analytics, and enable real-time trustable AI and decision-making. Since traditional computing architectures are still based on solving problems from the 20th century, new computing hardware and software architectures are needed to optimize computing for AI and machine learning and many new approaches to science and engineering. This faculty member will grow and complement work in computer engineering, computer science and the new OU quantum center (CQRT) with a home department in ECE and possible joint appointments where appropriate. Apply here: https://apply.interfolio.com/97161

Additional details on each position, including required qualifications and application materials, available facilities and collaborations, and search committee contact information are available at links shown above. Confidential review of applications will begin in December 2021.

The University of Oklahoma: The University of Oklahoma is a Carnegie-R1 comprehensive public research university known for excellence in teaching, research, and community engagement, serving the educational, cultural, economic and healthcare needs of the state, region, and nation from three campuses: the main campus in Norman, the Health Sciences Center in Oklahoma City, and the Schusterman Center in Tulsa. OU enrolls over 30,000 students and has more than 2,700 full-time faculty members. Norman is a culturally rich and vibrant town located in the Oklahoma City metro area. With outstanding schools, amenities, and a low cost of living, Norman is a perennial contender on the “Best Places to Live” rankings.

EEO/AA Policy

The University of Oklahoma, in compliance with all applicable federal and state laws and regulations does not discriminate on the basis of race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. This includes, but is not limited to: admissions, employment, financial aid, housing, services in educational programs or activities, or health care services that the University operates or provides.

Contact

Dr. David S. Ebert
Schools of Electrical & Computer Engineering and Computer Science
Associate Vice President of Research and Partnerships
Director, Data Institute for Societal Challenges
The University of Oklahoma
Norman, OK 73019
Email: ebert@ou.edu

University of Pittsburgh Appointment-Stream Faculty Positions

As the University of Pittsburgh’s newest school, the School of Computing and Information (SCI) is a growing interdisciplinary community of faculty, staff and students who are accustomed to progressing through change, thinking beyond boundaries and innovating new approaches to lead our institution and nation to positive change. Since 2017, SCI
Professional Opportunities

has hired more than twenty-five faculty members, and we are continuing our growth with multiple faculty openings this year.

The University of Pittsburgh is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. SCI is fostering an equitable and inclusive community with our scholarship, education and faculty development initiatives, including policies to promote a healthy work-life balance; programs to meet the needs of two career couples; and a commitment to recruit, retain and develop a diverse faculty. Candidates whose research, teaching and service contribute to the academic diversity of our campus and who have demonstrated commitment to working with students from diverse backgrounds are encouraged to apply.

SCI’s interdisciplinary research and education includes computer science, information science and library and information science with rich connections to partners in health sciences, medicine, engineering, social sciences, humanities, business and other areas.

About the Department of Computer Science

The Department of Computer Science (CS) (www.cs.pitt.edu) is one of the oldest CS departments in the country. It is one of the three departments in the School of Computing and Information. We are located in Pittsburgh, PA, frequently voted as one of the most livable cities in the U.S., with a vibrant education, technology, culture and sports environment. The Pittsburgh “story” is one of resilience and adaptation, which made the city known for its “eds and meds” (education and medical institutions) on the national and international stage. Our department is a community that includes 22 full-time tenure-stream faculty, nine appointment-stream faculty, more than 100 graduate students, more than 900 pre-CS/CS majors and thousands of alumni. The department places a high priority on diversity, social justice and inclusive excellence in research and teaching. The department currently features nine faculty members with Artificial Intelligence (AI) as one of their primary research areas, working on a diverse portfolio of federally funded projects, with collaborations spanning multiple other disciplines in addition to computer science, such as medicine, information science, law, psychology, political science, learning sciences, engineering, etc.

Appointment-Stream Positions

The Department of Computer Science is inviting applications for two teaching assistant professor positions (in the appointment stream) with an anticipated starting date of Fall 2022. The department is looking for candidates who are eager to use pedagogical approaches and inclusive practices and have experience teaching in any of the following areas: algorithms and theory; computer systems (especially cloud computing, HPC, and mobile computing); data science, probability, and statistics; and software engineering and software quality assurance.

Appointment-stream faculty are full-time faculty with long-term career advancement opportunities that mirror tenure-track faculty lines. Appointment stream faculty are fully integrated into the operations of the department, school, and university and are encouraged to mentor undergraduate research.

Required Qualifications:

Applicants for the Teaching Assistant Professor position should have a PhD in computer science or a closely related discipline. Candidates should have the required degrees by September 1, 2022.

Preferred Qualifications:

Successful candidates should hold a PhD in Computer Science or a closely related area and have a proven track record of excellence in effective teaching, including teaching courses as primary instructor, course and curriculum development, pedagogy innovation, student extra-curricular activities and inclusive education teaching practices.

Application Process

Individuals interested in these openings may apply at https://sci.pitt.edu/recruiting. Please provide the following:

• A cover letter that reflects on your interest.
• a curriculum vitae.
• a teaching statement describing your teaching philosophy.
• a diversity statement that highlights your experiences with diversity in teaching
as well as service, and your potential to support SCI’s commitment to building and fostering an inclusive environment.

• the names and contact information for at least three recommenders, and
• teaching evaluations, if available

Application review will begin immediately. We anticipate that interviews will begin mid-to-late January. For best consideration, please apply by January 3, 2022. The anticipated start date is September 1, 2022. Questions about this position and/or application status should be emailed to sci-recruit@pitt.edu.

The University of Pittsburgh is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. SCI is fostering an equitable and inclusive community with our scholarship, education and faculty development initiatives, including policies to promote a healthy work-life balance; programs to meet the needs of two career couples; and a commitment to recruit, retain and develop a diverse faculty. Candidates whose research, teaching and service contribute to the academic diversity of our campus and who have demonstrated commitment to working with students from diverse backgrounds are encouraged to apply.

SCI’s interdisciplinary research and education includes computer science, information science and library and information science with rich connections to partners in health sciences, medicine, engineering, social sciences, humanities, business and other areas.

About the Position(s)

We have multiple openings in the tenure-stream:

• Artificial Intelligence (AI) (Assistant Professor, Department of Computer Science) Position #02949
• Digital Archives, Large-scale Data, and Computing (Assistant Professor, Department of Information Culture and Data Stewardship) Position #02191
• Large-scale Distributed and Networked Information Systems (Assistant Professor, Department of Informatics and Networked Systems) Position #02649

Minimum required qualifications

• Candidates should hold a PhD degree in computer science, information science or some closely related area
• Candidates should hold the PhD degree by September 2022

Application Process

Individuals interested in these openings may apply at https://sci.pitt.edu/recruiting. A completed application includes a cover letter, curriculum vitae, research statement, teaching statement, statement of commitment to creating a diverse and inclusive community and the names and contact information for at least three recommenders for applications for positions at the assistant professor level.

Application review will begin immediately. We anticipate that interviews will begin in February 2022. Please refer to the position descriptions for preferred qualifications and application deadlines. The anticipated start date is September 1, 2022. Questions about these positions and/or application status should be emailed to sci-recruit@pitt.edu.

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity and diversity, EOE, including disability/vets.
University of Pittsburgh

Dean, School of Computing and Information

The University of Pittsburgh School of Computing and Information (SCI) is seeking a strategic, visionary, and transformational leader. The new Dean will lead with an inclusive approach, engaging faculty, students, staff, and alumni to move the school forward while also operating with a distinctly entrepreneurial perspective, exploring new opportunities to increase SCI’s reach, impact, and national and international reputation.

For full information about the position, please visit the search website:

University of Rochester

Faculty Position in Computer and Data Science

The University of Rochester seeks applicants for a tenure-track position as assistant professor with a joint appointment between the Department of Computer Science and the Goergen Institute for Data Science. We are eager to hire in natural language processing, including language understanding and dialog systems, and in machine learning, including optimization methods and trustworthy learning. Exceptional candidates in all areas of computer science and data science are encouraged to apply. Candidates must have (or be about to receive) a doctorate in computer science, data science, electrical engineering, or a related discipline.

Computer science at Rochester (https://www.cs.rochester.edu/) has a distinguished history of research in artificial intelligence, human-computer interaction, systems, and theory. We nurture a highly collaborative and interdisciplinary culture, with exceptionally strong external funding and with active ties to numerous allied departments, including brain and cognitive science, electrical and computer engineering, linguistics, optics, biomedical engineering, the laboratory for laser energetics, the school of education, and several departments in the medical center.

The Goergen Institute for Data Science (GIDS -- http://www.rochester.edu/data-science/) was founded in 2015 as part of the University of Rochester’s $100 million commitment to making data science its...
Tenure-Track Assistant Professor of Computer Engineering
University of Rhode Island (URI)

Applications are invited for a tenure-track position in Computer Engineering at the rank of Assistant Professor beginning in Fall 2022. Outstanding candidates in all areas of Computer Engineering will be considered. This includes but not limited to:

- Emerging hardware and software architectures
- Smart Interfacing to other computers, systems, humans, and society, including networking, distributed systems, cyber physical systems, human computer interface, security, etc.
- Smart sensing technologies including near-sensor and in-sensor computing architectures
- Smart memory systems including in memory computing such as processing in memory PIM
- Smart I/Os or smart storage including computing storage or processing in storage PIS

The University of Rhode Island is located near the southern end of the state in picturesque New England. It is a comprehensive doctoral research, Land Grant, Sea Grant and Urban Grant University. The College of Engineering offers innovative undergraduate and graduate programs, stresses links between diverse fields of inquiry, and values outreach, scholarship, and laboratory-based learning. Our new (opening Sept. 2019) 180,000+ square foot engineering building will provide an excellent environment for interdisciplinary research collaborations.

The search will remain open until the position has been filled. First consideration will be given to applications received by December 30, 2021. Second consideration may be given to applications received by January 15, 2022. Applications received subsequent to second consideration date (January 15, 2022) may not be given full consideration.

For complete details, including required and preferred qualifications, and the application process itself, please visit the URI jobs website at https://jobs.uri.edu to apply to faculty job posting (F00262).

APPLICATIONS MUST BE SUBMITTED ONLINE ONLY

The University of Rhode Island is an AA/EOE employer. Women, persons of color, protected veterans, individuals with disabilities, and members of other protected groups are encouraged to apply.

University of Rochester
Professor / Associate Professor of Computer Science

The Department of Computer Science at the University of Rochester seeks applicants for a tenure faculty position at the level of associate professor or professor. We are particularly eager to hire in artificial intelligence, including natural language processing, knowledge representation and reasoning, computer vision, and machine learning. Exceptional candidates at any level of seniority are encouraged to apply: we are always on the lookout for unique opportunities and synergies. Candidates should have a world-class research profile in their field, and a strong funding record. Tenure upon initial appointment for a qualified candidate may be granted, contingent on favorable review of the candidate’s dossier by the department, the dean and the provost.

Computer Science at Rochester has a distinguished history of research in artificial intelligence, human-computer interaction, systems, and theory. We nurture a highly collaborative and interdisciplinary culture, with exceptionally strong external funding and with active ties to numerous allied departments, including brain and cognitive science, electrical and computer engineering, linguistics, optics, biomedical engineering, the laboratory for laser energetics, the school of education, and several departments in the medical center. For more information: https://wwwcs.rochester.edu/

The University of Rochester is deeply committed to building a more diverse and representative faculty, and strongly encourages applications from groups underrepresented in computer science and in higher education. We have a vibrant Women in Computing / Minorities in Computing community, and were a charter member of the AnitaB.org BRAID Initiative.
Assistant Professor, Tenure-Track, Computer Science

Job Summary:
The Department of Computer Science at the University of San Francisco is accepting applications for a tenure-track faculty position at the Assistant Professor level starting in August 2022, contingent upon funding approval. We are looking for candidates from all areas of Computer Science or a closely related field with the ability to teach courses in their area of specialization as well as software development at multiple levels of the curriculum.

Minimum Qualifications: Applicants must have a Ph.D. in Computer Science or a closely-related field, earned by August 2022. Strong applicants from all CS subdisciplines will be considered. Applicants must demonstrate both exceptional teaching ability, a strong potential for independent and collaborative research, and commitment to work in and promote an inclusive environment. In addition, an understanding of and commitment to support the mission of the University of San Francisco are required. The successful candidate must be able to offer their reflections on diversity, equity, and inclusion (DEI) and discuss how the University of San Francisco's commitment to these values translates to their teaching, research, and service.

Full Job Description:
Job Responsibilities: The successful candidate will be expected to teach courses for our undergraduate and master’s program. The standard teaching load for this position at USF is two 4-unit courses per semester, with an additional third course every fourth semester (2-2-2-3 over two years). In addition, the successful candidate will be expected to maintain an active research program that regularly engages students, and perform service duties to the CS Department and university.

Minimum Qualifications: Applicants must have a Ph.D. in Computer Science or a closely-related field, earned by August 2022. Strong applicants from all CS subdisciplines will be considered. Applicants must demonstrate both exceptional teaching ability, a strong potential for independent and collaborative research, and commitment to work in and promote an inclusive environment. In addition, an understanding of and commitment to support the mission of the University of San Francisco are required. The successful candidate must be able to offer their reflections on diversity, equity, and inclusion (DEI) and discuss how the University of San Francisco's commitment to these values translates to their teaching, research, and service.

Interested individuals should submit a cover letter, curriculum vitae, research statement, teaching statement and a statement of your commitment to advancing equity and fostering an inclusive and diverse community in academia. Every effort will be made to ensure candidate confidentiality. Applications can be found and completed at the University of Rochester Faculty Recruiting website: https://www.rochester.edu/faculty-recruiting

EOE / Minorities / Females / Protected Veterans / Disabled

Salary
Full time
Pay Rate: Salary

University of South Carolina Sumter

Computer Science- Asst. Professor Job posting, September 2021

The University of South Carolina Sumter (UofSCS) invites qualified candidates to apply for a tenure-track Assistant Professor of Computer Science position with an anticipated starting date of August 16, 2022. Candidates must be willing and able to teach both lower and upper-level undergraduate courses in computer science in both traditional and online settings. Please find the details of the position, the university campus, and the application procedure by accessing the UofSC Jobs Online Employment site at https://usccareers.usc.edu.

We are actively working to improve the environment for all underrepresented groups. The University of Rochester is a private, Tier I research institution with approximately 6,500 undergraduates and 5,200 graduate students.

Interested individuals should submit a cover letter, curriculum vitae, research statement, teaching statement and a statement of your commitment to advancing equity and fostering an inclusive and diverse community in academia. Every effort will be made to ensure candidate confidentiality. Applications can be found and completed at the University of Rochester Faculty Recruiting website: https://www.rochester.edu/faculty-recruiting

EOE / Minorities / Females / Protected Veterans / Disabled

Salary
Full time
Pay Rate: Salary

University of Southern California

Viterbi School of Engineering
(Open Rank) Assistant, Associate of Full Professor of Computer Science

The Department of Computer Science (http://cs.usc.edu) at the USC Viterbi School of Engineering (https://viterbischool.usc.edu) is in a period of significant and sustained faculty growth. We have multiple openings for tenure-track positions in all areas and at all ranks. The USC Viterbi School is committed to increasing the diversity of its faculty and welcomes applications from women, individuals of African, Hispanic and Native American descent; veterans; and individuals with disabilities. Candidates committed to advancing diversity, equity, and inclusion through research, teaching, and service are strongly encouraged to apply.

We are looking for candidates with a strong commitment to research, doctoral student mentoring, and teaching at the undergraduate and graduate levels. All applicants must have earned a doctorate in Computer Science or a closely related field by the date of appointment.

Applicants should submit their applications online here (https://usccareers.usc.edu/job/los-angeles/open-rank-assistant-associate-of-full-professor-of-computer-science/1209/18305287600).

Applications must include a cover letter indicating the applicant’s area of interest in research and teaching, a curriculum vitae, a statement of teaching experience and goals, a research statement, a statement of diversity and commitment to increasing diversity in the discipline, and three letters of recommendation. Applicants should upload their letters of recommendation online here. Applications should be submitted by December 15, 2021 for full consideration. Any questions can be sent to cssearch@usc.edu.
of specialization, a detailed curriculum vitae, a statement on current and future research directions, a teaching statement, and names of at least three professional references. Applicants are encouraged to include a statement on fostering an environment of diversity and inclusion.

Applications should be submitted by January 5, 2022. Applications received after this deadline may not be considered.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 189 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two previously awarded National Science Foundation Engineering Research Centers and Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The School is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies, and the USC Stevens Center for Innovation. Research expenditures typically exceed $210 million annually. With 41 tenure-track, 29 research faculty, and 16 teaching faculty, the USC Department of Computer Science is one of the nation’s leading centers of research and education in the field.

The USC Viterbi School of Engineering is committed to enabling the success of dual career families and fosters a family-friendly environment. USC is an equal opportunity affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability, or any other characteristic protected by law or USC policy. USC will consider for employment all qualified applicants with criminal histories in a manner consistent with the requirements of the Los Angeles Fair Chance Initiative for Hiring ordinance.

University of South Florida
Tenure-Track Faculty Positions (all ranks)

The University of South Florida invites applications for tenure-track positions at all ranks Computer Science and Engineering

Applications are invited for multiple tenure-track positions at all ranks in the Department of Computer Science and Engineering starting January or August 2022. Preference will be given to candidates in strategic research areas that have high funding potential from federal funding agencies including NSF, NIH, DARPA, etc. Candidates should have an established record of outstanding-quality research publications and a commitment for excellence in teaching. We expect successful candidates to contribute to our diversity and inclusion efforts. Candidates must have completed a PhD in computer science or a related discipline at the time of starting the position. Affiliation with the USF Institute for Artificial Intelligence + X and/or the Institute of Applied Engineering is possible for candidates with research areas that meet the institute needs. The Institute for AI + X is a university wide research and education center for AI with a focus on collaboration across disciplines. The Institute of Applied Engineering provides agile, best-value engineering solutions to enhance the performance, effectiveness and safety of its sponsors, including the Department of Defense; other federal, state and local agencies; and industry.

Computer Science and Engineering has 28 tenure-track/tenured faculty members, 12 instructors, 3 visiting assistant professors, and 6 staff members/advisors, and offers BS, MS, and PhD degrees, serving over 2000 undergraduates, about 120 masters, and about 100 PhD students. USF CSE has a strong working relationship with CyberFlorida. CSE ranks include twelve NSF CAREER awardees, one National Academy of Inventors (NAI) Fellow, three IEEE Fellows, three IAPR Fellows, three AAAS Fellows, and three AIMBE Fellows. USF CSE is in the top 10% of Computer Science departments in US public universities. This ranking is according to most recent Academic Analytics data based on Scholarly Research Index AAD2019 using default weights for grants, articles, conferences, awards, and citations. The Computer Engineering graduate program was ranked #52 among US public universities by US News and World Report (2021). USF CSE faculty members have 38 issued patents, own 6 copyrights, and have executed 13 license/option agreements between FY2016-FY2020.

The College of Engineering at the University of South Florida comprises seven departments, serving nearly 6,000 students and offers ABET-accredited
University of South Florida

Tenure-Track Faculty Positions (all ranks)

The University of South Florida invites applications for tenure-track positions at all ranks Computer Science and Engineering

Applications are invited for multiple tenure-track positions at all ranks in the Department of Computer Science and Engineering starting January or August 2022. Preference will be given to candidates in strategic research areas that have high funding potential from federal funding agencies including NSF, NIH, DARPA, etc. Candidates should have an established record of outstanding-quality research publications and a commitment for excellence in teaching. We expect successful candidates to contribute to our diversity and inclusion efforts. Candidates must have completed a PhD in computer science or a related discipline at the time of starting the position. Affiliation with the USF Institute for Artificial Intelligence + X and/or the Institute of Applied Engineering is possible for candidates with research areas that meet the institute needs. The Institute for AI + X is a university wide research and education center for AI with a focus on collaboration across disciplines. The Institute of Applied Engineering provides agile, best-value engineering solutions to enhance the performance, effectiveness and safety of its sponsors, including the Department of Defense; other federal, state and local agencies; and industry.

Computer Science and Engineering has 28 tenure-track/tenured faculty members, 12 instructors, 3 visiting assistant professors, and 6 staff members/advisors, and offers BS, MS, and PhD degrees, serving over 2000 undergraduates, about 120 masters, and about 100 PhD students. USF CSE has a strong working relationship with CyberFlorida. CSE ranks include twelve NSF CAREER awardees, one National Academy of Inventors (NAI) Fellow, three IEEE Fellows, three IAPR Fellows, three AAAS Fellows, and three AIMBE Fellows. USF CSE is in the top 10% of Computer Science departments in US public universities. This ranking is according to most recent Academic Analytics data based on Scholarly Research Index AAD2019.
using default weights for grants, articles, conferences, awards, and citations. The Computer Engineering graduate program was ranked #52 among US public universities by US News and World Report (2021). USF CSE faculty members have 38 issued patents, own 6 copyrights, and have executed 13 license/option agreements between FY2016-FY2020.

The College of Engineering at the University of South Florida comprises seven departments, serving nearly 6,000 students and offers ABET-accredited undergraduate degrees in seven programs, as well as 12 master’s and eight doctoral degrees. The College is ranked #55 among public universities in the USNWR 2021 Best Engineering Graduate Program Rankings. The College has 12 major research centers and institutes and is actively engaged in local and global research activities with a focus on sustainability, biomedical engineering, computing technology and transportation. For the fiscal year 2019-2020, the College had $39 million in research expenditures.

The University of South Florida is a high-impact global research university dedicated to student success. Over the past 10 years, no other public university in the country has risen faster in U.S. News and World Report’s national university rankings than USF. Serving more than 60,000 students on campuses in Tampa, St. Petersburg and Sarasota-Manatee, USF is designated as a Preeminent State Research University by the Florida Board of Governors, placing it in the most elite category among the state’s 12 public universities. USF has earned widespread national recognition for its success in graduating under-represented minority and limited-income students at rates equal to or higher than white and higher-income students. USF is a member of the American Athletic Conference. Learn more at www.usf.edu.

An application package should include a cover letter, curriculum vitae, statements describing research and teaching experience and goals, and the names and contact information of at least three references (one of which must be the current immediate supervisor of the applicant). Applicants must electronically submit the application packet as one PDF file to: https://www.usf.edu/work-at-usf/careers. For consideration, please apply to the appropriate position level (Assistant Professor, search Job ID #27778, Associate Professor, Search Job ID #27779, Full Professor, search Job ID #27780).

Applications will be considered starting immediately.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the Department chair. To request disability accommodations in the application and interview process, please notify Khoa Dinh, the EOL Coordinator at (813) 974-9272 at least five working days in advance.

University of Texas Arlington

Assistant/Associate Professor

Situated within the Dallas-Fort Worth Metroplex area, UT Arlington is a diverse academic community of students working together with faculty committed to outstanding teaching, research, and scholarship. With a global enrollment of approximately 60,000 students, The University of Texas at Arlington is the largest institution in North Texas. It is one of 131 universities nationwide to receive the R-I: Doctoral Universities—Very High Research Activity designation by the Carnegie Classification of Institutions of Higher Education. the definitive list for the top doctoral research universities in the United States. In 2021, UTA received the Texas Tier One designation reserved for the state’s top institutions for academic and research excellence and the Higher Education Excellence in Diversity Award (HEED) award for outstanding commitment to diversity, equity and inclusion in higher education. The University ranks No. 1 nationally in the Military Times’ annual “Best for Vets: Colleges” list, is designated as a Hispanic-Serving Institution and an Asian American and Native American Pacific Islander-Serving Institution and has approximately 240,000 alumni making an impact across Texas and beyond.

UTA currently requires periodic COVID-19 testing for all employees.

The Computer Science and Engineering Department at The University of Texas at Arlington invites applications for one tenure-track/tenured assistant/associate professor position with a tentative start date in Fall 2022 in the broad area of Cybersecurity and Software Engineering. Preference will be given to candidates whose research is at the intersection of security and software engineering (e.g.,
Professional Opportunities

security from a software engineering point of view, or software engineering with a focus on security). Our key objective is to hire faculty members with outstanding qualifications, who share the university’s core values of high standards of excellence in teaching, innovative research, and service, combined with fostering an open and inclusive environment and promoting diversity and participation of groups that are currently underrepresented in engineering fields. A major emphasis will be potential research collaboration within and outside the department.

Duties and Responsibilities

Duties include teaching undergraduate and graduate courses, building and leading a team of Ph.D. student researchers, developing an externally funded research program that yields top-tier publications, and professional service within UTA and the research community.

Successful candidates are expected to demonstrate a commitment to diversity and equity in education through their scholarship, teaching, and/or service as well as a strong commitment to teaching, advising, and mentoring undergraduate and graduate students from diverse backgrounds.

Required Qualifications

Candidates must have earned (by the start date) a Ph.D. degree in Computer Science, Computer Engineering, or a related area. Candidates for Assistant Professor must have demonstrated exceptional research promise. Candidates for Associate Professor must be leading their research area. All candidates must show a strong commitment to teaching excellence.

Preferred Qualifications

We value candidates who can contribute to the college’s and the department’s diversity initiatives. We further welcome experience with teaching or mentoring diverse groups of students, including first-generation college students, low-income students, racial and ethnic minorities, veterans, and women.

Department Background

The Computer Science and Engineering (CSE) department is ranked #60 in the nation by csrankings.org (as of September 2021, based on average 2017-21 publication counts) and several areas within it are ranked in the top-50, including computer security (#45), software engineering (#48), operating systems (#23), high-performance computing (#23), mobile computing (#30), databases (#32), AI, machine learning & data mining (#63). In the last few years students and faculty in the department have received distinguished paper awards from prestigious conferences, including PLDI, ASE, CIDR, CIKM, ECML PKDD, ICAC, ICDE, ICDM, ISSRE, ISSTA, IUI, PSIVT, SIGMOD, SIGCHI, and VLDB.

Application Instructions

To apply, please go to https://uta.peopleadmin.com/postings/16203 and submit the following materials: cover letter, curriculum vitae, statement of research, statement of teaching, and contact information of at least three references (at least five references for Associate Professor candidates). Senior candidates should also include unofficial course evaluations. All candidates should also include a statement of contribution to diversity, equity, and inclusion.

Review of applications will start December 1, 2021 and will continue until the position is filled.

Questions about the opening should be addressed to jia.rao@uta.edu.

EEO/AA Policy

The University of Texas at Arlington is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel irrespective of race, national origin, age, genetic or family medical history, gender, faith, gender identity and expression as well as sexual orientation. A criminal background check will be conducted on finalists. The UTA is a tobacco free campus. UTA also encourages applications from veterans.

The University of Texas at Austin

McCombs School of Business: Department of Information, Risk, & Operations Management (IROM)

Assistant Professor (Tenure Track) - Use-Inspired Artificial Intelligence

Description

The Department of Information, Risk, and Operations Management (IROM) at the McCombs School of Business at the University of Texas at Austin invites applications for a tenure-track assistant professor position (starting Fall 2022) in the
area of Use-Inspired Artificial Intelligence. We invite applications from diverse areas, including Computer Science, Information Systems/Management, Engineering, Decision Science, and Statistics.

Successful candidates will join a vibrant AI research community within McCombs and across the University, become core members of The University of Texas at Austin’s Machine Learning Laboratory (https://ml.utexas.edu/) and contribute to The University of Texas’ at Austin’s Translational AI Cluster that serves as an interdisciplinary research platform for use-inspired AI research on campus.

We strongly encourage women, minorities, and individuals with a demonstrated commitment to diversity and inclusion to apply. Candidates may optionally include a brief discussion of how their research, teaching and mentorship will further diversity, equity, and inclusion.

The search committee will begin reviewing applications on November 20, 2021, and the search will remain open until the position is filled.

Questions should be directed to Professor Maytal Saar-Tsechansky (maytal@mail.utexas.edu), Translational AI Faculty Search Committee Chair.

Application instructions and submission https://apply.interfolio.com/98140

---

University of Texas at Austin

Assistant Professor in Health Informatics and/or Social Justice Informatics

The School of Information at the University of Texas at Austin invites applications for a tenure-track Assistant Professor of Health Informatics and/or Social Justice Informatics. We are particularly interested in information scholars who will focus on the design and use of information technology in healthcare and/or the redistribution of power to address inequities at the intersection of race, ethnicity, gender, and class. We especially welcome applications from researchers whose research potentially addresses both (e.g., the use of technology to address health disparities in underserved populations).

For more information, please visit https://faculty.utexas.edu/career/82972

---

University of Texas at Austin

Assistant Professor in Human-Centered Data Science or Human-Computer Interaction

The School of Information at the University of Texas at Austin invites applications for a tenure-track Assistant Professor position in the broad areas of human-centered data science and human-computer interaction. Candidates in either area are welcome to apply. We are particularly interested in information scholars who will focus on the intersections of human-computer interaction, data science, and the design and evaluation of systems to support human exploration and discovery.

For more information, visit https://faculty.utexas.edu/career/82966

---

University of Texas at Austin

Assistant/Associate/Full Professor of Instruction/Lecturer (professional track) in Computer Science

The Department of Computer Science of the University of Texas at Austin is recruiting for full-time, professional track faculty (Lecturer, Assistant Professor of Instruction, Associate Professor of Instruction, Professor of Instruction) positions. While these positions are not eligible for tenure, we hire with the intent that new professional faculty will become a lasting part of our community.

The department is consistently ranked among the top computer science programs in the nation and is a core unit of Texas Computing, https://computing.utexas.edu. It is renowned for its collegial environment that fosters innovation and collaboration. We value undergraduate education and have a committed group of highly effective educators. The department is committed to building a diverse faculty, and we are interested in candidates who will contribute to diversity and equal opportunity in higher education through teaching and service.

Austin, the capital of Texas, is a center for high-technology industry, including companies such as 3M, Amazon, AMD, Apple, Applied Materials, AT&T, Dell, Google, IBM, National Instruments, and Samsung. Much of Austin’s lifestyle is driven by outdoor activities, media, and music. For
Professional Opportunities

more information about the department, please visit https://cs.utexas.edu.

The primary duty for these positions is teaching undergraduate courses. Teaching opportunities range from introductory computer science courses, such as data structures and computer architecture, to advanced courses, such as cybersecurity, web applications, and topics related to artificial intelligence, computer systems, big data, and UI/UX.

Required Qualifications

- Master’s degree in Computer Science or related discipline
- Strong communication skills

Preferred Qualifications

- Ph.D. in Computer Science or related discipline
- Previous teaching experience

Our faculty work together to provide the courses the students need, so flexibility in topics taught is helpful.

All faculty positions require a cover letter, current curriculum vita, teaching statement and three (3) professional reference letters. Letters of reference must address the candidate’s overall quality of teaching and/or presentation skills, the ability to communicate complex topics and expertise in the field of computer science. Applications for professional track positions will be considered on an ongoing basis. Inquiries may be directed to faculty-search@cs.utexas.edu.

To apply for a professional track position online at https://apply.interfolio.com/96227

Diversity, equity, and inclusion are core values of the department. Our excellence can only be fully realized by faculty, students, and staff who share our commitment to these values. As a part of their application packet, candidates are encouraged to provide a statement regarding their views on diversity, inclusion, and belonging, including past and current contributions as well as their vision and plans for the future in these areas. The University of Texas is an Equal Opportunity Employer.

University of Texas at Austin

Assistant, Associate, Full Professor in Computer Science

The Department of Computer Science of the University of Texas at Austin invites applications for tenure-track faculty positions. Outstanding candidates in all areas of Computer Science will be considered with particular attention given to candidates working in Computer Systems (including architecture, databases, networking, operating systems, and security), Machine Learning, Quantum Computing, and Robotics.

The department, in collaboration with the College of Natural Sciences, is interested in and values candidates who are committed to building a diverse and inclusive educational environment and have demonstrated a commitment to improving the diversity, equity and inclusivity of their academic communities. The department views inclusiveness and excellence as interconnected in the work of its faculty.

All positions are subject to the availability of funding.

The department is ranked among the top computer science departments in the country and is a core unit of Texas Computing, https://computing.utexas.edu. It has 50 tenured and tenure-track faculty members across all areas of computer science. Many of these faculty participate in interdisciplinary programs and centers in the University, including among others the Texas Advanced Computing Center (TACC), the Oden Institute for Computational Engineering and Science, Texas Robotics, the Machine Learning Laboratory, and the Institute on Foundations of Machine Learning (an NSF AI Institute).

Austin, the capital of Texas, is a center for the high-technology industry, including companies such as 3M, Amazon, AMD, Apple, Applied Materials, AT&T, Dell, Google, IBM, National Instruments, and Samsung.

For more information about the department, please visit https://cs.utexas.edu.

All tenure-track positions require a Ph.D. or equivalent degree in computer science or a related area at the time of employment. Successful candidates are expected to pursue an active research program, to teach both graduate and undergraduate courses, and to supervise graduate students in research.

All faculty positions require a cover letter, current curriculum vita, research statement, teaching philosophy and selected publications. For tenure-track positions, at least three (3) reference letters are required. For tenured positions, at least six (6) reference letters are required.

Diversity, equity, and inclusion are core values of the department. Our excellence...
can only be fully realized by faculty, students, and staff who share our commitment to these values. As a part of their application packet, candidates are encouraged to provide a statement regarding their views on diversity, inclusion, and belonging, including past and current contributions as well as their vision and plans for the future in these areas.

To apply for a tenure-track position online at https://apply.interfolio.com/95140

Review of applications will begin on December 1, 2021, with an application deadline of December 17, 2021. Applications received after the deadline are not guaranteed full consideration. Inquiries about your application may be directed to faculty-search@cs.utexas.edu.

The University of Texas is an Equal Opportunity Employer.

University of Texas at Dallas
Associate Professor - Computer Science

The Department of Computer Science at The University of Texas at Dallas invites applications from outstanding applicants for a tenure-system position. Candidates in all areas of Computer Science will be considered. Candidates must have a PhD degree or equivalent in Computer Science, Software Engineering or Computer Engineering. The position is open for applicants at the rank of Associate Professor.

The department offers B.S., M.S., and PhD degrees both in Computer Science and Software Engineering. It also offers degrees in Data Science, Computer Engineering and Telecom Engineering that are jointly administered with other departments. Currently, the department has a total of 51 tenure-system faculty members and 40 full-time faculty of instruction. The department is housed in a spacious 150,000 square feet facility and has excellent computing equipment and support. The department ranks well in various national rankings. In areas such as natural language processing/AI, software engineering and embedded systems, it ranks nationally within top seven on csrankings.org. The department also houses a number of centers and institutes, particularly in areas of cyber security, human language technology, net centric software, and applied AI and machine learning.

The university is located in the most attractive part of the Dallas metropolitan area. There are over 1,000 high-tech companies within a few miles of the campus, including Texas Instruments, AT&T, Fujitsu, Raytheon, Rockwell Collins, Cisco, etc. The DFW metroplex has one of the highest concentrations of high-tech jobs in the nation. Opportunities for joint university-industry research projects are excellent. The department averages approximately $9 million in extramural research funding annually ranking among the top 45 departments in terms of research expenditures. The university and the State of Texas are also making considerable investment in commercialization of technology developed in university labs; a start-up business incubation center has been operational since 2011.

Applicants should upload a cover letter; curriculum vitae; research statement; statement of teaching philosophy/experience; teaching evaluations (if available); writing/publication sample; and the full contact information for at least three academic or professional references via the online application at https://jobs.utdallas.edu/postings/16974

The Department of Computer Science at the University of Rio Grande Valley (UTRGV) invites applications for two Tenure-Track Assistant Professor, one Non-Tenure-Track Assistant Professor of Practice, and one Lecturer I to begin in Fall 2022. Please see the full descriptions of the positions at the following links:

https://careers.utrgv.edu/postings/30930
https://careers.utrgv.edu/postings/30934
and https://careers.utrgv.edu/postings/30932
Professional Opportunities

For more information, contact Dr. Ovidiu Daescu, Interim Department Head, via email (daescu@utdallas.edu) or send e-mail to cs-search@utdallas.edu or view the web page at http://cs.utdallas.edu.

The search committee will begin evaluating applications on December 1st. Applications received on or before January 15th will get highest preference.

The University of Texas at Dallas is committed to providing an educational, living and working environment that is welcoming, respectful and inclusive of all members of the university community. The University prohibits unlawful discrimination against a person because of their race, color, religion, sex (including pregnancy), sexual orientation, gender identity, gender expression, national origin, age disability, genetic information, or veteran status.

The University of Texas at Dallas is an equal opportunity/affirmative action university.

University of Texas at Dallas
Assistant Professor - Computer Science

The Department of Computer Science at The University of Texas at Dallas invites applications from outstanding candidates for up to three tenure-system positions. Candidates in all areas of Computer Science will be considered. Candidates must have a Ph.D. degree or equivalent in Computer Science, Software Engineering or Computer Engineering. The positions are open for applicants at the rank of Assistant Professor.

Assistant Professor of Practice

The University of Texas
Rio Grande Valley

The Department of Informatics & Engineering Systems at the University of Texas Rio Grande Valley (UTRGV) invites applications for an Assistant/Associate/Professor of Practice (Open Rank) faculty position to begin in Fall 2022.

Please see the full description of the position at the following link: https://apptrkr.com/2675113

Open Rank in Informatics & Engineering Systems

The Department of Informatics & Engineering Systems at The University of Texas Rio Grande Valley (UTRGV) invites applications for a Tenure-Track Assistant Professor (Open Rank) faculty position in Cyber Security to begin in Fall 2022.

Please see the full description of the position at the following link: https://apptrkr.com/2582839

Assistant Professor of Practice

The University of Texas
Rio Grande Valley

The Department of Informatics & Engineering Systems at the University of Texas Rio Grande Valley (UTRGV) invites applications for an Assistant/Associate/Professor of Practice (Open Rank) faculty position to begin in Fall 2022.

Please see the full description of the position at the following link: https://apptrkr.com/2675113

Open Rank in Informatics & Engineering Systems

The Department of Informatics & Engineering Systems at The University of Texas Rio Grande Valley (UTRGV) invites applications for a Tenure-Track Assistant Professor (Open Rank) faculty position in Cyber Security to begin in Fall 2022.

Please see the full description of the position at the following link: https://apptrkr.com/2582839
Professional Opportunities

Multiple Faculty and Endowed Positions in Computer Science

The Department of Computer Science at The University of Texas at San Antonio (UTSA) invites applications for at least three tenure-track/tenured Assistant or Associate Professors in (i) Security, (ii) Artificial Intelligence, Data Science, or Big Data, and (iii) Networked and Software Systems, and for (iv) one additional Endowed Full/Associate Professor in “Inclusive and Human-centered AI Systems” for a joint appointment with Electrical and Computer Engineering starting in Fall 2022. Internationally recognized outstanding candidates at other levels and areas are also encouraged to apply. The successful candidates will also need to have the ability to work with and be sensitive to the educational necessities of a diverse urban population and be committed to advancing the University’s mission as a Hispanic-Serving Institution.

Review of applications will begin on Oct 10, 2021, application deadline will be Nov 30, 2021, and will continue until the positions are filled.

See https://cs.utsa.edu/ and https://aptrkr.com/2494475 for information on the department and application instructions.

UTSA, a Hispanic Serving Institution, is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

such as natural language processing/ AI, software engineering and embedded systems. it ranks nationally within top seven on csrankings.org. The department also houses a number of centers and institutes, particularly in areas of cyber security, human language technology, net centric software, and applied AI and machine learning.

The university is located in the most attractive part of the Dallas metropolitan area. There are over 1,000 high-tech companies within a few miles of the campus, including Texas Instruments, AT&T, Fujitsu, Raytheon, Rockwell Collins, Cisco, etc. The DFW metroplex has one of the highest concentrations of high-tech jobs in the nation. Opportunities for joint university-industry research projects are excellent. The department averages approximately $9 million in extramural research funding annually ranking among the top 45 departments in terms of research expenditures. The university and the State of Texas are also making considerable investment in commercialization of technology developed in university labs; a start-up business incubation center has been operational since 2011.

Applicants should upload a cover letter; curriculum vitae; research statement; statement of teaching philosophy/ experience; teaching evaluations (if available); writing/publication sample; and the full contact information for at least three academic or professional references via the online application at https://jobs.utdallas.edu/postings/16974.

For more information, contact Dr. Ovidiu Daescu, Interim Department Head, via email (daescu@utdallas.edu) or send e-mail to cs-search@utdallas.edu or view the web page at http://cs.utdallas.edu.

The search committee will begin evaluating applications on December 1st. Applications received on or before January 15th will get highest preference.

The University of Texas at Dallas is committed to providing an educational, living, and working environment that is
welcoming, respectful, and inclusive of all members of the university community. The University prohibits unlawful discrimination against a person because of their race, color, religion, sex (including pregnancy), sexual orientation, gender identity, gender expression, national origin, age disability, genetic information, or veteran status.

The University of Texas at Dallas is an equal opportunity/affirmative action university.

**The University of the South**

*Visiting Assistant Professor of Mathematics and Computer Science (Multiple Positions)*

The Department of Mathematics and Computer Science at The University of the South, commonly known as Sewanee, invites applications for multiple Visiting Assistant Professor positions that will begin in August 2022, each with the possibility of either conversion to a tenure-track position or renewal beyond the initial one-year appointment.

Each of these positions carries a teaching load of 3 courses per semester and requires a Ph.D. in mathematics, statistics, or computer science; those with experience and/or interest in supporting our Department’s new Data Analytics program are especially encouraged to apply.

The Department seeks colleagues who are committed to excellence in teaching across the curriculum, scholarship in a liberal arts environment, close student mentorship, and engagement in the broader community, all of which should be addressed in the application.

A careful review of applications for these positions will begin on December 15, 2022 and will continue until the positions have been filled.

**We ask that candidates apply at:**
https://www.mathjobs.org/jobs/list/18984.

A complete application includes the following: a cover letter that includes an overview of current and anticipated research activity, a curriculum vitae, a statement of teaching philosophy in a liberal arts setting that demonstrates a commitment to supporting diversity, equity, and inclusion, an (unofficial) graduate transcript, and three letters of recommendation, at least one of which addresses the applicant’s teaching in detail.

---

**University of Toledo**

*Assistant Professor- Computer Science & Engineering*

The EECS Department in the College of Engineering at The University of Toledo (Ohio, USA), invites applications for a tenure-track assistant professor beginning Fall 2022. A Ph.D., preferably in Computer Science, or a closely related field is required at the time of joining the department. The candidate will be expected to develop an externally funded research program and teach CS courses at both graduate and undergraduate levels.

A complete application must include: (1) a cover letter that includes an overview of current and anticipated research activity; (2) a curriculum vitae; (3) two-page teaching philosophy and a list of courses the candidate can teach; (4) two-page research plan, including research lab infrastructure requirements; (5) two-page diversity statement including a plan for fostering a more inclusive environment, and (6) contact details of at least three professional references.

**Apply here:** https://utoledo.csod.com/ux/ats/careersite/5/home/requisition/4080?c=utoledo

Review of applications will begin in November/December 2021 and continue until the position is filled.

EEO

---

**University of Toronto**

*Multiple Tenure-stream Positions*

The Department of Computer Science at the University of Toronto invites applications for multiple positions with appointments commencing on July 1, 2022, or shortly thereafter.

We will soon begin accepting applications for a limited term teaching position at the Rank of Assistant Professor, Teaching Stream.

- **Assistant Professor**, Teaching Stream | Coming soon (Contractually Limited Term Appointment)

We are currently accepting applications for tenure-stream positions. For the positions listed below, applicants should endeavour to submit all materials (including reference letters) by December 6, 2021, when we will start reviewing applications. However, we will give full consideration to all applications submitted by the closing date of January 10, 2022.

**The department is conducting three open-area searches:**
In addition, the department is conducting targeted searches in the following areas:

• **Open-area (UTSG)**
  » Assistant Professor (x3)  
  | [PDF] | [Apply now]

In addition, the department is conducting targeted searches in the following areas:

• **Data Systems and Data Management (UTSG)**
  » Assistant Professor (x2)  
  | [PDF] | [Apply now]

• **Data Visualization and Exploration (UTSG)**
  » Assistant Professor | [PDF] | [Apply now]

• **Distributed Systems (UTSC)**
  » Associate Professor | [PDF] | [Apply now]
  » Assistant Professor | [PDF] | [Apply now]

• **Knowledge Representation and Reasoning (UTSG)**
  » Associate Professor | [PDF] | [Apply now]
  » Assistant Professor | [PDF] | [Apply now]

• **Machine Learning with a focus on Deep Learning (UTSG)**
  A joint position with the Department of Electrical and Computer Engineering  
  » Associate/Full Professor | Coming soon  
  » Assistant Professor | [PDF] | [Apply now]

• **Systems and Security (UTM)**
  » Assistant Professor (x2)  
  | [PDF] | [Apply now]

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

---

### University of Toronto

**Assistant Professor, Teaching Stream - Computer Engineering**

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering (ECE) at the University of Toronto invites applications for a full-time teaching stream faculty appointment at the rank of Assistant Professor, Teaching Stream, in the general area of Computer Engineering. The appointment will commence on July 1, 2022, or shortly thereafter.

Applicants must have a Ph.D. in Electrical and Computer Engineering, or a related field, at the time of appointment or soon after, with a demonstrated record of excellence in teaching. Candidates must have the expertise to teach in a degree granting program at the undergraduate level, including in the development and delivery of undergraduate courses and laboratories, and supervision of undergraduate design projects. Additionally, candidates must possess a demonstrated commitment to excellent pedagogical practices and a demonstrated interest in teaching-related scholarly activity.

Evidence of excellence in teaching and pedagogical inquiry will be demonstrated by previous teaching experience and accomplishments; the teaching dossier submitted as part of the application including a teaching statement describing philosophy, approach, interests, and experience, in all pedagogical settings including classroom, engineering design instruction, laboratory, tutorial, workshop, small group and individual mentorship; awards and accolades; sample course syllabi and materials; and teaching evaluations, as well as strong letters of reference from referees of high standing endorsing excellent teaching and commitment to excellent pedagogical practices and teaching innovation. Eligibility and willingness to register as a Professional Engineer in Ontario is highly desirable.

Equity, diversity, and inclusion (EDI) are essential to academic excellence and to the success of our department.
Evidence of a commitment to EDI must be demonstrated by a statement, submitted with the application, describing views, experiences and/or plans furthering EDI via teaching mentorship, outreach, and/or other activities.

Salary will be commensurate with qualifications and experience.

The Faculty of Applied Science and Engineering offers opportunities for collaborative and interdisciplinary research and teaching, and the excitement of working with a diverse student population. Established in 1873, the Faculty of Engineering has earned an international reputation for excellence in education and knowledge creation and is known as a forward-thinking resource to address global concerns. As the economic and intellectual hub of Canada, Toronto provides access to leading policy and decision makers at all levels, and is a vibrant, cosmopolitan and safe city. For more information about the Faculty of Applied Science and Engineering, please visit: engineering.utoronto.ca.

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering at the University of Toronto ranks among the best in North America. It attracts outstanding students, has excellent facilities, and is ideally located in the middle of a vibrant, artistic, diverse and cosmopolitan city. Additional information may be found at http://www.ece.utoronto.ca.

All qualified applicants are invited to apply online by clicking the link below. Applicants must submit a cover letter, a current curriculum vitae, a teaching dossier including a summary of previous teaching experience and accomplishments (as outlined above), a teaching statement, sample course syllabi and materials, and teaching evaluations, and an EDI statement (as noted above).

Applicants must provide the name and contact information of three references, including at least one primarily addressing the candidate’s teaching. The University of Toronto’s recruiting tool will automatically solicit and collect letters of reference from each after an application is submitted (this happens overnight). Applicants remain responsible for ensuring that references submit letters (on letterhead, dated and signed) by the closing date.

Applications must be submitted through our online application system. Applications submitted in any other way will not be considered. Submission guidelines can be found at http://uoft.me/how-to-apply. If you have any questions about this position, please contact the ECE department at search2021@ece.utoronto.ca.

Review of applications will begin after January 17, 2022, however applications will be accepted until February 28, 2022. To be considered, all application materials, including reference letters, must be received by February 28, 2022.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Diversity Statement

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see http://uoft.me/UP.

Accessibility Statement

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission. The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities.

If you require any accommodations at any point during the application and hiring process, please contact uoft.careers@utoronto.ca.
The Department of Computer Science at the University of Toronto invites applications for multiple positions with appointments commencing on July 1, 2022, or shortly thereafter.

We will soon begin accepting applications for a limited term teaching position at the Rank of Assistant Professor, Teaching Stream.

* Assistant Professor, Teaching Stream | Coming soon
  (Contractually Limited Term Appointment)

We are currently accepting applications for tenure-stream positions. For the positions listed below, applicants should endeavour to submit all materials (including reference letters) by December 6, 2021, when we will start reviewing applications. However, we will give full consideration to all applications submitted by the closing date of January 10, 2022.

The department is conducting three open-area searches:

* Open-area (UTSG)
  o Assistant Professor (x3) | PDF | Apply now →

In addition, the department is conducting targeted searches in the following areas:

* Data Systems and Data Management (UTSG)
  o Assistant Professor (x2) | PDF | Apply now →

* Data Visualization and Exploration (UTSG)
  o Assistant Professor | PDF | Apply now →

* Distributed Systems (UTSC)
  o Associate Professor | PDF | Apply now →
  o Assistant Professor | PDF | Apply now →

* Knowledge Representation and Reasoning (UTSG)
  o Associate Professor | PDF | Apply now →
  o Assistant Professor | PDF | Apply now →

* Machine Learning with a focus on Deep Learning (UTSG)
  A joint position with the Department of Electrical and Computer Engineering
  o Associate/Full Professor | Coming soon
  o Assistant Professor | PDF | Apply now →

* Systems and Security (UTM)
  o Assistant Professor (x2) | PDF | Apply now →

The Department of Computer Science spans three campuses at the University of Toronto. Each position includes an appointment with the tri-campus Graduate Department of Computer Science and an appointment at one of our campuses: Department of Computer Science, University of Toronto St. George (UTSG); Department of Computer and Mathematical Sciences, University of Toronto Scarborough (UTSC); or Department of Mathematical and Computational Sciences, University of Toronto Mississauga (UTM).

For more information about the Department of Computer Science, contact www.cs.toronto.edu, or recruit@cs.toronto.edu.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.
University of Tulsa

Assistant/Associate/Full Professor of Cyber Studies

The School of Cyber Studies at the University of Tulsa (TU) seeks two full-time open-rank tenure-track faculty beginning August 2022. This new, interdisciplinary school builds on TU’s long history of excellence in cyber security, administering BS, MS and PhD degrees.

We welcome applicants from a wide variety of disciplinary backgrounds with strong research records and a commitment to teaching excellence.

Candidates are encouraged to apply by December 31, 2021. The search will remain open until the positions are filled.

For more information and to apply, visit https://universitytulsa.peopleadmin.com/postings/5021.

University of Utah

Urban Ecologist - Tenure Line Assistant or Associate Professor

The University of Utah seeks to fill a tenure-track position at the Assistant or Associate Professor level focused on biodiversity science in the area of urban ecology, broadly defined, to begin in Fall 2022. This is a joint hire between the Natural History Museum of Utah, the Scientific Computing and Imaging (SCI) Institute, and the Department of City and Metropolitan Planning at the University of Utah. Areas of research emphasis could include, but are not limited to, landscape, community, or ecosystem ecology, conservation biology, and ecological design and planning with expertise in computational modeling and data visualization and interest in community engagement and/or public policy.

For more information, please contact the chair of the search committee, Dr. Jason Cryan, Executive Director of the Natural History Museum of Utah, jcryan@nhmu.utah.edu.

See the job announcement for a detailed description of the position and application instructions: https://utah.peopleadmin.com/postings/124973.

University of Victoria

Department of Computer Science, Faculty of Engineering and Computer Science

Faculty Positions (Research) in Computer Science

In accordance with the University of Victoria’s Equity Plan, and pursuant to Section 42 of the BC Human Rights code, the Department of Computer Science at the University of Victoria is seeking to 2 faculty members with preference for applicants from any of the following equity-deserving groups: Indigenous peoples, persons with disabilities, women, or those who identify as Black. Applicants are asked to self-identify in their cover letter. These positions are at the rank of Assistant Professor with eligibility for tenure and an anticipated start date of July 1, 2022. We are considering candidates in two areas:

Area A
We seek candidates whose research addresses any or several of the following topics: Fairness, Ethics, Accountability, Transparency, Interpretability and Theory of data privacy. Preference will be given to candidates with theoretical computer science, AI/machine learning, or algorithmic game theory approaches to the topics above.

Area B
We seek candidates whose research addresses any or several of the following topics: Software testing and reliability, Software development security, Continuous software engineering, Ethics in software development and Diversity and inclusion in software engineering. Preference will be given to candidates already seeking to apply their contributions to support the development of software.

A Ph.D. in Computer Science or related field is required. Successful candidates must demonstrate a strong record of excellence in research and the potential to develop and maintain an internationally recognized research program. The successful candidates will be expected to effectively supervise graduate students, teach computer science courses, obtain external funding, and actively participate in departmental activities. Applicants should submit a cover letter, a CV, a research statement, a teaching statement, an Equity, Diversity and Inclusion (EDI) statement, up to three selected relevant publications, and contact information for three referees. The cover letter should clearly identify the equity-deserving group or groups applicants belong to (one or more of Indigenous peoples, persons
with disabilities, women, or those who identify as Black). The cover letter should also clearly identify one or more of the research areas listed above (A or B) that have the best fit with the applicant’s program of research.

Please see the full advertisement here: https://www.uvic.ca/ecs/computerscience/assets/docs/employment/research-stream-positions-job-ad.pdf

Applications should be submitted at https://academicjobsonline.org/ajo/jobs/20771

The closing date for applications is January 21, 2022.

If you have any questions, please do not hesitate to contact the Recruiting Committee Chair.

Recruiting Committee Chair. Email: search@csc.uvic.ca. Department of Computer Science Telephone: +1-250-472-5704. University of Victoria, PO Box 1700, STN CSC, Victoria, BC, V8W 2Y2, Canada. Web: http://www.cs.uvic.ca

University of Virginia
Open Rank Academic General Faculty in Electrical and Computer Engineering

Please review the job posting at https://www.myworkday.com/uva/d/inst/15158872/9925552846.html

University of Washington Bothell
Assistant Professor

The Computing and Software Systems (CSS) Division of the School of Science, Technology, Engineering and Mathematics (STEM) at the University of Washington Bothell (UWB) invites applications for a tenure track position at the rank of assistant professor. The successful candidate(s) will join our faculty on a full-time basis for a nine-month academic year appointment beginning September 16, 2022.

We would like to encourage applications from candidates with research and teaching interests in: software engineering, network-centric computing (including networking, cybersecurity, Internet of Things, and mobile and edge computing), data-centric computing (including data science, machine learning, and databases), and entertainment computing. Interdisciplinary work is encouraged. All our faculty demonstrate a commitment to excellence in teaching at the undergraduate and graduate levels, as well as a commitment to support and enhance learning for diverse populations. Successful candidates are expected to develop externally sponsored research programs, supervise graduate students, and teach and provide academic advising to students at all levels. Faculty are encouraged to establish working relationships with local high-tech companies, other units at UW Bothell, the other UW campuses in Seattle and Tacoma, and other institutions in the region.

Additional information: https://apply.interfolio.com/95381

University of Waterloo
Assistant Professor – Applied Mathematics or Computer Science

Applications are invited for two tenure-track faculty position at the rank of Assistant Professor, and in special cases Associate or Full Professor, at the Institute for Quantum Computing (IQC) and either the Department of Applied Mathematics or the Cheriton School of Computer Science, with an anticipated start date of September 1, 2022.

A PhD and significant evidence of excellence in research in quantum information science and technology and the potential for effective teaching are required. Responsibilities include the supervision of graduate students and teaching at the undergraduate and graduate levels. Based on qualifications, a salary range of $100,000 to $155,000 will be considered. Negotiations beyond this salary range will be considered for exceptionally qualified candidates. The search is open to all areas of quantum information that connect with the goals and ongoing research at IQC.

IQC is a collaborative research institute at the University of Waterloo focused on quantum information science and technology, ranging from the theory of quantum information to practical applications. At present, IQC has a complement of 31 faculty members, 47 postdoctoral fellows and 177 graduate students from the Faculties of Engineering, Mathematics and Science. Membership in IQC is renewable and...
Professional Opportunities

comes with research space, a teaching reduction of one course per year, and a stipend. Information about research at IQC can be found at https://uwaterloo.ca/institute-for-quantum-computing/research and https://tqt.uwaterloo.ca. Full consideration for these positions is assured only for applications received by January 15, 2022.

Interested individuals should upload their application via the faculty application form at https://uwaterloo.ca/institute-for-quantum-computing/available-positions and arrange for three referees to upload letters of reference.

The University of Waterloo acknowledges that much of our work takes place on the traditional territory of the Neutral, Anishinaabeg and Haudenosaunee peoples. Our main campus is situated on the Haldimand Tract, the land granted to the Six Nations that includes six miles on each side of the Grand River. Our active work toward reconciliation takes place across our campuses through research, learning, teaching, and community building, and is centralized within our Indigenous Initiatives Office (https://uwaterloo.ca/human-rights-equity-inclusion/indigenousinitiatives).

The University values the diverse and intersectional identities of its students, faculty, and staff. The University regards equity and diversity as an integral part of academic excellence and is committed to accessibility for all employees. The University of Waterloo seeks applicants who embrace our values of equity, anti-racism and inclusion. As such, we encourage applications from candidates who have been historically disadvantaged and marginalized, including applicants who identify as Indigenous peoples (e.g., First Nations, Métis, Inuit/Inuk), Black, racialized, people with disabilities, women and/or 2SLGBTQ+.

The University of Waterloo is committed to accessibility for persons with disabilities. If you have any application, interview or workplace accommodation requests, please contact iqc-dtr@uwaterloo.ca.

If you have any questions regarding the position, the application process, assessment process, or eligibility, please contact iqc-dtr@uwaterloo.ca.

All qualified candidates are encouraged to apply, however. Canadians and permanent residents will be given priority. Three reasons to apply: https://uwaterloo.ca/faculty-association/why-waterloo

University of Waterloo

Black Excellence—Multiple Faculty Appointments

The University of Waterloo is pleased to announce the cluster hiring of ten tenure-track/tenured academic appointments representing emerging and established career stages who will contribute to Black excellence across all six Waterloo Faculties and to Waterloo’s goal of a culture of equity, diversity, and inclusivity for all through increasing the representation of Black peoples.

Waterloo seeks candidates whose scholarship advances learning and knowledge through teaching, research, and scholarship. For the Faculty of Arts, Faculty of Engineering, Faculty of Environment, Faculty of Health, and Faculty of Science, please see https://uwaterloo.ca/provost/black-excellence-multiple-faculty-appointments-open-all.

Faculty of Mathematics: All areas of mathematics, statistics, and computer science will be considered. As part of the cluster hiring initiative, the Faculty of Mathematics will offer one Math Faculty Research Chair restricted to self-identified Black peoples. Additional detail on Black Excellence positions in Math and the Math Faculty Research Chair, including enhanced support for research, can be found at https://uwaterloo.ca/math/opportunities.

How to Apply

Successful candidates must have either earned a doctoral degree or be ‘all but dissertation’ (ABD), or have earned an equivalent terminal degree in the field of study or be nearing completion; the relevant degree must be awarded within six months of employment. Candidates must demonstrate evidence of an actively developing research trajectory. Duties include conducting research and/or research creation, teaching at the undergraduate and graduate level, supervising graduate students, and contributing to the service needs of the University. The ability to develop and teach in a variety of contexts, including in person, online, and remote delivery is required. The salary range for the position will depend upon the rank (i.e., Assistant Professor, Associate Professor, Professor) and the discipline. Negotiations will be considered at the discretion of each hiring department.
Applicants are asked to clearly indicate in their cover letter the Faculty(ies) or department(s) to which they are applying. For those with interdisciplinary research areas, more than one Faculty may be included. Send curriculum vitae, cover letter, teaching dossier, research statement, and up to three examples of research outputs (including but not limited to journal articles/book chapters/conference proceedings or other demonstrative outputs) electronically in confidence to James W.E. Rush, Vice President, Academic and Provost, Recruitment.Provost@uwaterloo.ca.

For this important cluster hire, the University is partnering with BIPOC Executive Search. Individuals from Black communities seeking more information and guidance during the application process can email Candice Frederick or Jason Murray at cfrederick@bipocsearch.com.

All applicants to this cluster hiring opportunity must self-identify as Black in their cover letter. Because this is a special opportunity restricted to self-identified Black candidates, applicant self-identification information will be used for the purposes of screening and consideration. Please note that this information will be securely accessed only by members of a central selection committee and, for nominees selected, for the fulfillment of cluster hiring purpose(s). All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Review of applications will begin on October 18, 2021 and continue until the positions are filled.

Three letters of reference will be requested for applicants invited for an interview.

Commitment to Equity, Diversity, and Inclusion

Improving the representation, participation, and engagement of equity-deserving groups and Indigenous peoples within our community is a key objective of Waterloo’s Strategic Plan 2020-2025.

The University values the diverse and intersectional identities of its students, faculty, and staff. The University regards equity and diversity as an integral part of academic excellence and is committed to accessibility for all employees. The University of Waterloo seeks applicants who embrace our values of equity, anti-racism, and inclusion. As such, we encourage applications from candidates who have been historically disadvantaged and marginalized, including applicants who identify as First Nations, Métis and/or Inuit/Inuk, Black, racialized, persons with disabilities, women and/or 2SLGBTQ+.

This particular selection process follows the provisions for a special program as described by the Ontario Human Rights Commission in order to address the underrepresentation of Black academics among our faculty complement, which has been identified through research (Canadian Association of University Teachers, 2018; Council of Canadian Academies, 2012; Henry et al., 2017; and Witteman, Hendricks, Straus, & Tannenbaum, 2019) to be systemic in nature. As such, this opportunity is open only to individuals who self-identify as Black.

The University of Waterloo is committed to accessibility for persons with disabilities. If you have any application, interview, or workplace accommodation requests, please contact Occupational Health at occupationalhealth@uwaterloo.ca who will work with the selection committee to secure accommodation while ensuring that the information is safe-guarded, and confidentiality is maintained.

Please direct all queries regarding the cluster hiring opportunity, application process, assessment process, and eligibility to the Office of the Vice President, Academic and Provost at Recruitment.Provost@uwaterloo.ca.

The University is committed to implementing the Calls to Action framed by the Truth and Reconciliation Commission. We acknowledge that we live and work on the traditional territory of the Neutral, Anishinaabeg, and Haudenosaunee peoples. The University of Waterloo is situated on the Haldimand Tract, the land promised to the Six Nations that includes ten kilometers on each side of the Grand River.

Three reasons to apply: https://uwaterloo.ca/faculty-association/why-waterloo.

Additional information on this initiative can be found at https://uwaterloo.ca/provost/cluster-hiring-initiatives.

University of Waterloo

NSERC Canada Research Chairs (Tier I) in Computer Science (2 positions)

The David R. Cheriton School of Computer Science in the Faculty of Mathematics at the University of Waterloo invites applications for two tenured faculty positions.

Exceptional scholars and researchers at the rank of Full Professor or Associate
Professional Opportunities

Professor are sought who are eligible to apply for a Tier 1 Canada Research Chair (CRC), established by the Government of Canada to enable Canadian universities to foster research excellence. This call is open only to qualified individuals who self-identify as women, transgender, non-binary, or two-spirit. Priority research areas include:

**Position 1.** all areas of Artificial Intelligence.

**Position 2.** all areas of Computer Science.

**Qualifications**

Applicants must have either earned a doctoral degree or an equivalent terminal degree in Computer Science. Applicants should be at the rank of Full Professor or Associate Professor who are expected to be promoted to the rank of Full Professor within one to two years of nomination. Alternatively, if from outside the academic sector, nominees must possess the necessary qualifications to be appointed at these levels. To meet the criteria for a Tier 1 CRC, applicants must be outstanding and innovative world-class researchers whose accomplishments have made a major impact in their fields and be recognized internationally as leaders in their fields. Applicants will propose an original, innovative program of the highest quality research. Applicants must have superior records of attracting and training graduate students and postdoctoral fellows (taking into account different practices in the relevant field or discipline), and will be expected to attract, develop, and retain excellent trainees, students, and future researchers. An established track record of national and international collaborations, including the ability and desire to partner with faculty at the University of Waterloo in closely related fields is required.


The successful candidates will be appointed as regular members of the School and each subsequently nominated for a Tier 1 CRC. Nominations for CRCs are subject to review by the CRC Secretariat and appointment as a CRC is conditional on the Secretariat’s approval. The University of Waterloo is committed to providing candidates with the support required to secure a CRC. Duties include research, teaching at the undergraduate and graduate levels, service to the unit, and the supervision of graduate students. The successful applicants will have a reduced teaching assignment during the term of their CRC. Rank and salary will be commensurate with experience: the salary range is $170,000 – $250,000 and negotiations beyond this salary range will be considered for exceptionally qualified candidates. The expected start date for these positions is July 1, 2022, though the actual start date is flexible.

The University of Waterloo understands the impact that legitimate career interruptions (e.g., parental leave, leave due to illness) can have on an applicant’s record of research achievement and encourages applicants to explain in their application the impact this may have on their record; this information will be taken into careful consideration during the assessment process.

The David R. Cheriton School of Computer Science is the largest Computer Science school in Canada, with 85 professorial faculty members. It enjoys an excellent reputation in theoretical and applied research and houses a diverse research program of international stature. Because of its recognized capabilities, the School attracts exceptionally well-qualified students at both undergraduate and graduate levels. In addition, the University of Waterloo has an enlightened intellectual property policy that vests all rights in the inventor. Please see the School’s website for more information: [https://cs.uwaterloo.ca/about/open-positions](https://cs.uwaterloo.ca/about/open-positions).

The University is committed to implementing the Calls to Action framed by the Truth and Reconciliation Commission. The University of Waterloo acknowledges that much of our work takes place on the traditional territory of the Neutral (Attawandaron), Anishinaabeg, and Haudenosaunee peoples. Our main campus is situated on the Haldimand Tract, the land granted to the Six Nations that includes six miles on each side of the Grand River. Our active work toward reconciliation takes place across our campuses through research, learning, teaching, and community building, and is centralized within our Office of Indigenous Relations ([https://uwaterloo.ca/indigenous](https://uwaterloo.ca/indigenous)).
Professional Opportunities

How to apply

To submit an application, please register at the submission site: https://cs.uwaterloo.ca/faculty-recruiting. Once registered, instructions will be provided regarding how to submit your full application. Applications will be considered as soon as possible when received, with full consideration assured for those received by January 31, 2022.

All applicants must self-identify as women, transgender, non-binary, or two-spirit using the self-identification application survey (https://uwaterloo.ca1.qualtrics.com/jfe/form/SV_08RcdIZz6YAh4TX). Because this is a special opportunity for self-identified women, transgender, non-binary, and two-spirit applicants, applicant self-identification information will be used for the purposes of screening and consideration. Please note that this information will be securely accessed only by members of a central selection committee and, for nominees selected, for the fulfillment of CRC program purposes detailed at https://www.chairs-chaires.gc.ca/program-programme/equity-equate/index-eng.aspx.

Commitment to Equity, Diversity, and Inclusion

Improving the representation, participation, and engagement of equity-deserving groups and Indigenous peoples within our community is a key objective of Waterloo’s Strategic Plan 2020-2025.

The University values the diverse and intersectional identities of its students, faculty, and staff. The University regards equity and diversity as an integral part of academic excellence and is committed to accessibility for all employees. The University of Waterloo seeks applicants who embrace our values of equity, anti-racism, and inclusion. As such, we encourage applications from candidates who have been historically disadvantaged and marginalized, including applicants who identify as Indigenous peoples (e.g., First Nations, Métis, Inuk (Inuit), Black, racialized, people with disabilities, women and/or 2SLGBTQ+). However, this particular selection process will follow the provisions for a special program as described by the Ontario Human Rights Commission (http://www.ohrc.on.ca/en/your-guide-special-programs-and-human-rights-code) in order to address the underrepresentation of individuals from equity-deserving groups among our Canada Research Chairs. which has been identified through research (Canadian Association of University Teachers, 2018: https://www.caut.ca/sites/default/files/caut_equity_report_2018-04final.pdf; Council of Canadian Academies, 2012: https://cca-reports.ca/reports/strengthening-canadas-research-capacity-the-gender-dimension/; Henry et al., 2017: https://www.ubcpress.ca/the-equity-myth; and Witteman, Hendricks, Straus, & Tannenbaum, 2019: https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(18)32614-4/fulltext) to be systemic in nature. As such, this opportunity is open only to individuals who self-identify as women, transgender, non-binary, and two-spirit.

The University of Waterloo is committed to accessibility for persons with disabilities. If you have any application, interview, or workplace accommodation requests please contact Occupational Health (occupationalhealth@uwaterloo.ca or Karen – extension 40538), who will work with the selection committee to secure accommodation while ensuring that the information is safe-guarded and confidentiality is maintained.

If you have any questions regarding the position, the application process, assessment process, eligibility, or the CRC program, please contact Professors Ian Goldberg and Olga Veksler, David R. Cheriton School of Computer Science, cs-recruiting@uwaterloo.ca.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Three reasons to apply: https://uwaterloo.ca/faculty-association/why-waterloo.

University of Waterloo

Indigenous Excellence—Multiple Faculty Appointments Open to All Disciplines

The University of Waterloo is pleased to announce the cluster hiring of ten tenure-track/tenured academic appointments representing emerging and established career stages who will contribute to Indigenous excellence across all six Waterloo Faculties and to Waterloo’s goal of a culture of equity, diversity, and inclusivity for all through increasing the representation of self-identified Indigenous academics (i.e.,
status and non-status First Nations, Inuit/Inuk, Métis, and those from tribal nations and Indigenous communities across Turtle Island).

Waterloo seeks candidates whose scholarship advances learning and knowledge through teaching, research, and scholarship. For the Faculty of Arts, Faculty of Engineering, Faculty of Environment, Faculty of Health, and Faculty of Science, please see [https://uwaterloo.ca/provost/indigenous-excellence-multiple-faculty-appointments-open-all](https://uwaterloo.ca/provost/indigenous-excellence-multiple-faculty-appointments-open-all).

Faculty of Mathematics: All areas of mathematics, statistics and computer science will be considered. As part of the cluster hiring initiative, the Faculty of Mathematics will offer one Math Faculty Research Chair restricted to self-identified Indigenous candidates. Additional detail on Indigenous Excellence positions in Math and the Math Faculty Research Chair, including enhanced support for research, can be found at [https://uwaterloo.ca/math/opportunities](https://uwaterloo.ca/math/opportunities).

How to Apply

Successful candidates must have either earned a doctoral degree or be ‘all but dissertation’ (ABD), or have earned an equivalent terminal degree in the field of study or be nearing completion; the relevant degree must be awarded within six months of employment. Candidates must demonstrate evidence of an actively developing research trajectory. Duties include conducting research and/or research creation, teaching at the undergraduate and graduate level, supervising graduate students, and contributing to the service needs of the University. The ability to develop and teach in a variety of contexts, including in person, online, and remote delivery is required. The salary range for the position will depend upon the rank (i.e., Assistant Professor, Associate Professor, Professor) and the discipline. Negotiations will be considered at the discretion of each hiring department.

Applicants are asked to clearly indicate in their cover letter the Faculty(ies) or department(s) to which they are applying. For those with interdisciplinary research areas, more than one Faculty may be included. Applicants are also invited to submit an optional letter or oral statement of support from the individual’s community that describes the individual’s involvement/role within the community, or a statement of lived experience. Send curriculum vitae, cover letter, teaching dossier, research statement, and up to three examples of research outputs (including but not limited to journal articles/book chapters/conference proceedings or other demonstrative outputs) electronically in confidence to James W.E. Rush, Vice President, Academic and Provost, [Recruitment.Provost@uwaterloo.ca](mailto:Recruitment.Provost@uwaterloo.ca).

For this important cluster hire, the University is partnering with BIPOC Executive Search. Individuals from Indigenous communities seeking more information and guidance during the application process can email Candice Frederick or Jason Murray at cfrederick@bipocsearch.com.

All applicants to this cluster hiring opportunity must self-identify as Indigenous in their cover letter. Because this is a special opportunity restricted to self-identified Indigenous candidates, applicant self-identification information will be used for the purposes of screening and consideration. Please note that this information will be securely accessed only by members of a central selection committee and, for nominees selected, for the fulfillment of cluster hiring purpose(s). All qualified candidates are encouraged to apply, however, Canadians and permanent residents will be given priority.

Review of applications will begin on October 18, 2021 and continue until the positions are filled.

Three letters of reference will be requested for applicants invited for an interview.

Commitment to Equity, Diversity and Inclusion

Improving the representation, participation, and engagement of equity-deserving groups and Indigenous peoples within our community is a key objective of Waterloo’s Strategic Plan 2020-2025.

The University values the diverse and intersectional identities of its students, faculty, and staff. The University regards equity and diversity as an integral part of academic excellence and is committed to accessibility for all employees. The University of Waterloo seeks applicants who embrace our values of equity, anti-racism, and inclusion. As such, we encourage applications from candidates who have been historically disadvantaged and marginalized, including applicants who identify as First Nations, Métis and/or Inuit/Inuk, Black, racialized, persons with disabilities, women and/or 2SLGBTQ+. 
This particular selection process follows the provisions for a special program as described by the Ontario Human Rights Commission in order to address the underrepresentation of Indigenous academics among our faculty complement, which has been identified through research (Canadian Association of University Teachers, 2018; Council of Canadian Academies, 2012; Henry et al., 2017; and Witteman, Hendricks, Straus, & Tannenbaum, 2019) to be systemic in nature. As such, this opportunity is open only to individuals who self-identify as Indigenous (i.e., status and non-status First Nations, Inuit/Inuk, Métis, and those from tribal nations and Indigenous Communities across Turtle Island).

The University of Waterloo is committed to accessibility for persons with disabilities. If you have any application, interview, or workplace accommodation requests, please contact Occupational Health at occupationalhealth@uwaterloo.ca who will work with the selection committee to secure accommodation while ensuring that the information is safe-guarded and confidentiality is maintained.

Please direct all queries regarding the cluster hiring opportunity, application process, assessment process, and eligibility to the Office of the Vice President, Academic and Provost at Recruitment.Provost@uwaterloo.ca.

The University is committed to implementing the Calls to Action framed by the Truth and Reconciliation Commission. We acknowledge that we live and work on the traditional territory of the Neutral, Anishinaabeg, and Haudenosaunee peoples. The University of Waterloo is situated on the Haldimand Tract, the land promised to the Six Nations that includes ten kilometers on each side of the Grand River.

Three reasons to apply: https://uwaterloo.ca/faculty-association/why-waterloo.

Additional information on this initiative can be found at https://uwaterloo.ca/provost/cluster-hiring-initiatives.

University of Waterloo
Tenure-track Positions

The David R. Cheriton School of Computer Science in the Faculty of Mathematics at the University of Waterloo invites applications for eight tenure-track Assistant Professor positions, subject to budget approval. Priority areas include:

1. Data Systems
2. Systems and Networking (including computer architecture)
3. Robotics, Machine Learning, Multiagent Systems, Natural Language Processing, or Computer Vision
4. Bioinformatics
5. All areas of Computer Science, including multi-disciplinary and cross-disciplinary research.

Excellent faculty members are sought who will enhance the School’s strengths. Tenured appointments at the Associate and Full Professor level are possible as circumstances warrant. All successful applicants are expected to engage actively in graduate student supervision and teaching, to contribute to the overall development of the School, and to be, or to have demonstrated the potential to be, leaders in their research field. A PhD in Computer Science, or equivalent, is required. Rank and salary will be commensurate with experience; the salary range is $130,000 – $180,000 and negotiations beyond this salary range will be considered for exceptionally qualified candidates. The expected start date for these positions is July 1, 2022, though the actual start date is flexible.

The David R. Cheriton School of Computer Science is the largest Computer Science school in Canada, with 85 professorial faculty members. It enjoys an excellent reputation in theoretical and applied research and houses a diverse research program of international stature. Because of its recognized capabilities, the School attracts exceptionally well-qualified students at both undergraduate and graduate levels. In addition, the University of Waterloo has an enlightened intellectual property policy that vests all rights in the inventor. Please see the School’s website for more information: https://cs.uwaterloo.ca/about/open-positions.

To submit an application, please register at the submission site: https://cs.uwaterloo.ca/faculty-recruiting.

Once registered, instructions will be provided regarding how to submit your full application.

Applications will be considered as soon as possible when received, with full consideration assured for those received by December 1, 2021.
The University of Waterloo acknowledges that much of our work takes place on the traditional territory of the Neutral, Anishinaabeg, and Haudenosaunee peoples. Our main campus is situated on the Haldimand Tract, the land granted to the Six Nations that includes six miles on each side of the Grand River. Our active work toward reconciliation takes place across our campuses through research, learning, teaching, and community building, and is centralized within our Indigenous Initiatives Office (https://uwaterloo.ca/human-rights-equity-inclusion/indigenousinitiatives).

The University values the diverse and intersectional identities of its students, faculty, and staff. The University regards equity and diversity as an integral part of academic excellence and is committed to accessibility for all employees. The University of Waterloo seeks applicants who embrace our values of equity, anti-racism, and inclusion. As such, we encourage applications from candidates who have been historically disadvantaged and marginalized, including applicants who identify as Indigenous peoples (e.g., First Nations, Métis, Inuit/Inuk), Black, racialized, people with disabilities, women and/or 2SLGBTQ+.

The University of Waterloo is committed to accessibility for persons with disabilities. If you have any application, interview, or workplace accommodation requests please contact Occupational Health (occupationalhealth@uwaterloo.ca). The office will work with the selection committee to secure accommodation while ensuring that the information is safeguarded and confidentiality is maintained.

If you have any questions regarding the position, the application process, assessment process, or eligibility, please contact Professors Ian Goldberg and Olga Veksler, David R. Cheriton School of Computer Science, cs-recruiting@uwaterloo.ca.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Three reasons to apply: https://uwaterloo.ca/faculty-association/why-waterloo.

The College of Engineering & Applied Science (CEAS), University of Wisconsin-Milwaukee (UWM), invites applications for a non-tenure-track/ Visiting Assistant Professor position in Computer Science (CS). We seek an individual with teaching expertise in core CS courses. The successful candidate would teach computing courses as needed, conduct independent research, collaborate with CEAS faculty with existing research and grant development, assist with CS curricular development, and mentor students in thesis or capstone projects.

Required (minimum) qualifications: Doctoral degree in computer science, or a closely related STEM discipline, with ability to teach one or more core CS courses, including hardware, operating systems or security.

Preferred Qualifications: Teaching experience, especially in core areas. Expertise in one or more of the following areas: Cybersecurity, Distributed Systems, Human-Computer-Interaction (esp. Virtual Environments), Networks, or Quantum Computing.

Application Procedure: Application materials should include: a letter describing your interest in and qualifications for the position, a detailed curriculum vitae, a teaching statement, a research statement, and a minimum of three references that includes names, addresses (including e-mail), and telephone numbers. This is a continuous recruitment with an initial review date of January 4, 2022. Applications received after January 3, 2022, may not receive consideration. The complete application package must be submitted online at:

https://aptrkr.com/2612982

Further information about UWM may be found at www.uwm.edu. UWM is an AA/EO employer: All applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, sexual orientation, gender identity/expression, disability, or protected veteran status.

Employment will require a criminal background check.
University of Wisconsin-Milwaukee

Visiting Assistant Professor

The College of Engineering & Applied Science (CEAS), University of Wisconsin-Milwaukee (UWM), invites applications for a non-tenure-track/visiting faculty position in Computer Science (CS). We seek an individual with teaching expertise in core CS courses. The successful candidate would teach computing courses as needed, conduct independent research, collaborate with CEAS faculty with existing research and grant development, assist with CS curricular development, and mentor students in thesis or capstone projects.

Required (minimum) qualifications: Doctoral degree in computer science, or a closely related STEM discipline, with ability to teach one or more core CS courses, including hardware, operating systems or security.

Preferred Qualifications: Teaching experience, especially in core areas. Expertise in one or more of the following areas: Cybersecurity, Distributed Systems, Human-Computer-Interaction (esp. Virtual Environments), Networks, or Quantum Computing.

UWM is a doctoral/research intensive university and Wisconsin’s premier public urban institution, offering a comprehensive liberal arts, sciences and professional education at the undergraduate and graduate level to its 25,000 students. UWM has earned the highest rating for a research institution from the Carnegie Classification of Institution of Higher Education, often referred to as RI status. UWM is one of only two RI institutions in the state of Wisconsin. UWM is also a founding partner with EAB of the Moonshot for Equity.

The College of Engineering & Applied Science consists of seven departments—Biomedical Engineering, Civil and Environmental Engineering, Computer Science, Electrical Engineering, Industrial and Manufacturing Engineering, Materials Science and Engineering, and Mechanical Engineering. The College has approximately 1,750 undergraduate students and 450 graduate students, both Master’s and Doctoral. In addition to doctoral study in CS, the CS department also offers a campus-wide interdisciplinary PhD in Biomedical and Health Informatics, as such there are many opportunities for collaborative research with computer science.

Computer Science has the largest enrollment among CEAS programs.

Greater Milwaukee, the third-ranked manufacturing center in the United States, is home to 400+ technology & engineering firms and 1300+ manufacturing firms with annual receipts of 24 billion dollars. The College has a long history of industrial collaboration and research support. More information about the College can be found at http://uwm.edu/engineering/

Application Procedure: Application materials should include: a letter describing your interest in and qualifications for the position, a detailed curriculum vitae, a teaching statement, a research statement, and a minimum of three references that includes names, addresses (including e-mail), and telephone numbers.

Review of the applications will begin January 4, 2022, and continue until the position is filled.

The complete application package must be submitted online at: https://jobs.uwm.edu/postings/TBD

University of Wisconsin-Platteville

Assistant Professor of Computer Science & Software Engineering

The Department of Computer Science and Software Engineering at the University of Wisconsin-Platteville is looking for a tenure-track Assistant Professor with teaching interests in computer games and software engineering. Applications will be considered until the position is filled. The anticipated start date is August 22, 2022.

The primary duty will be teaching undergraduate and graduate courses in computer science (including the computer game design and development courses) and software engineering. Faculty are also expected to participate in curriculum development, assessment and revisions, research and scholarly activities with undergraduate students, and university/community service and outreach activities.
Professional Opportunities

Minimum Qualifications:

• PhD in computer science, software engineering, or a related field.

• Experience of teaching computer science or software engineering at the college level as an instructor or a teaching assistant is required.

• A strong commitment to undergraduate education and teaching excellence is required.

• Excellent verbal and written communication skills are required.

The Computer Science and Software Engineering Department currently has 13 full time faculty members and offers B.S. degrees in Cybersecurity, Computer Science, and Software Engineering. In collaboration with our sister UW-institutions, we also offer an online M.S. in Cybersecurity and an online B.S. in Applied Computing.

To apply visit: https://careers.uwplatt.edu/cw/en-us/job/497286/assistant-professorcomputer-science-software-engineering

University of Wisconsin-Whitewater
Multiple Tenure-Track Faculty Positions in Computer Science

The Department of Computer Science in the College of Letters and Sciences at the University of Wisconsin-Whitewater seeks two (2) tenure-track faculty to join us in August 2022: one Assistant or Associate Professor in the area of cybersecurity or networking, and one Assistant Professor in the area of systems or software engineering. Those in closely related areas are also welcome to apply.

These are full-time positions with responsibilities for teaching undergraduate and graduate courses in our computer science and cybersecurity programs, research, and service to the university, community, and profession. Our faculty are expected to embrace the principles of diversity and inclusion as members of the university community.

For more information and application instructions:

**Cybersecurity or Networking**
https://www.uww.edu/employment/academic-staff-instructional/posting?listing=2132

**Systems or Software Engineering**
https://www.uww.edu/employment/academic-staff-instructional/posting?listing=2131

Reviews will start on January 10 for the cybersecurity or networking position, and on January 18 for the systems or software engineering position. For questions, contact: robertss@uww.edu.

Virginia Tech
Department of Computer Science
Collegiate Assistant Professor

The Department of Computer Science at Virginia Tech invites applicants for a collegiate assistant professor position.

Higher ranks (collegiate associate professor or collegiate full professor) will be considered based on the applicant’s qualifications. The department is in a period of rapid growth and expanding opportunity. We are seeking candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of teaching and research. We embrace Virginia Tech’s motto, Ut Prosim (‘That I May Serve’): we are committed to education, research, service, and inclusivity that makes a positive difference in the lives of people, communities, and the world.

Collegiate faculty members have a primary commitment to our instructional mission: duties will include graduate and undergraduate teaching, curricular and program development, and the design and integration of innovative and inclusive pedagogy. Successful candidates will contribute to enhancing curricula and promoting teaching excellence.

The collegiate faculty rank is a non-tenure-track position that offers a promotion path with increasingly long-term contracts. Collegiate faculty are full members of the faculty and are encouraged to participate in research and scholarship, mentor graduate students, and participate in department and professional service. Candidates will have the opportunity to collaborate with a wide range of research groups in the department, including a nationally-recognized group in CS education research.

The department currently has 67 faculty members, including 56 tenured or tenure-
The Department of Computer Science at Virginia Tech invites applications for eight (8) tenure-track or tenured faculty positions at all ranks (Assistant, Associate, or Full Professor) in all areas of computer science. The department is in a period of rapid growth and expanding opportunity. We are seeking candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of both fundamental and applied research. We embrace Virginia Tech's motto, Ut Prosim (“That I May Serve”): we are committed to research, education, service, and inclusivity that makes a positive difference in the lives of people, communities, and the world.

The department currently has 67 faculty members, including 56 tenured or tenure-track faculty, 17 early career awardees, and numerous recipients of faculty awards from IBM, Intel, AMD, Microsoft, Google, Facebook, and others. CS faculty members direct several interdisciplinary research centers, including the Center for Human-Computer Interaction and the Sanghani Center for Artificial Intelligence & Data Analytics. The department is home to over 1,400 undergraduate majors and over 600 graduate students and is located in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 31st among all U.S. engineering schools (USN&WR). The Mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship.

Virginia Tech's main campus is located in Blacksburg, VA, in an area consistently ranked among the country's best places to live. Our program in the Washington, D.C., area is also expanding rapidly, with Virginia Tech's exciting new Innovation Campus in Alexandria, VA, slated to open in 2024. Candidates for faculty positions at the Innovation Campus are encouraged to apply to separate announcements for those opportunities.

The successful candidate will have a Doctoral degree in computer science or a closely related field at the time of appointment, a rank appropriate record of academic accomplishments and a proven ability to work collaboratively; a commitment to interdisciplinary research and instruction and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. Tenured and tenure-track faculty are expected to initiate and develop independent research that is internationally recognized for excellence, conscientiously mentor research-oriented graduate students, teach effectively at both graduate and undergraduate levels, and serve the university and their professional communities. The successful candidate will be required to have a criminal conviction check as well as documentation of COVID-19 vaccination or receive approval from the university for a vaccination exemption due to a medical condition or sincerely held religious belief. The positions require occasional travel to professional meetings.

Applicants must apply online at jobs.vt.edu (job number 517689); application materials include a cover letter; curriculum vitae; statements discussing teaching and research goals; a statement on contributions to advancing diversity, equity, and inclusion; and contact information for at least three references. Review of applications will commence on November 20, 2021 and continue until the positions are filled. Questions regarding the positions should be directed to Dr. Ali R. Butt at facdev@cs.vt.edu.

The department fully embraces Virginia Tech's commitment to increase faculty, staff, and student diversity; to ensure a welcoming, affirming, safe, and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and desire an accommodation, please contact Joan Watson at jmwatson@vt.edu during regular business hours at least 10 business days prior to the event.

track faculty, 17 early career awardees, and numerous recipients of faculty awards from IBM, Intel, AMD, Microsoft, Google, Facebook, and others. CS faculty members direct several interdisciplinary research centers, including the Center for Human-Computer Interaction and the Sanghani Center for Artificial Intelligence & Data Analytics. The department is home to over 1,400 undergraduate majors and over 600 graduate students and is located in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 31st among all U.S. engineering schools (USN&WR). The Mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship.

Virginia Tech’s main campus is located in Blacksburg, VA, in an area consistently ranked among the country's best places to live. Our program in the Washington, D.C., area is also expanding rapidly, with Virginia Tech’s exciting new Innovation Campus in Alexandria, VA, slated to open in 2024. Candidates for faculty positions at the Innovation Campus are encouraged to apply to separate announcements for those opportunities.

The successful candidate will have a doctoral degree in computer science or a closely related field at the time of appointment, a proven ability to work collaboratively, a commitment to interdisciplinary instruction, and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. Candidates with demonstrated knowledge of CS education research topics such as education-related software systems, student data analytics, CS education for non-majors or at the K-12 level, cybersecurity education, data science education, distance and online education, experiential learning, or
diversity in CS are encouraged to apply. The successful candidate will be required to have a criminal conviction check as well as documentation of COVID-19 vaccination or receive approval from the university for a vaccination exemption due to a medical condition or sincerely held religious belief.

Applicants must apply online at jobs.vt.edu (job number 517834): application materials include a cover letter; curriculum vitae; a statement discussing teaching perspective and goals; a statement on contributions to advancing diversity, equity, and inclusion; and contact information for at least three references. Review of applications will begin December 1, 2021 and continue until the position is filled. Questions regarding the position should be directed to Dr. Stephen Edwards, search committee chair, at edwards@cs.vt.edu.

The department fully embraces Virginia Tech’s commitment to increase faculty, staff, and student diversity; to ensure a welcoming, affirming, safe, and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and desire an accommodation, please contact Joan Watson at jmwatson@vt.edu during regular business hours at least 10 business days prior to the event.


---

**Virginia Tech**

**Department of Computer Science**

**Instructor**

The Department of Computer Science at Virginia Tech invites applicants for two instructor positions. The department is in a period of rapid growth and expanding opportunity. We are seeking candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of teaching and research. We embrace Virginia Tech’s motto, Ut Prosim (“That I May Serve”): we are committed to education, research, service, and inclusivity that makes a positive difference in the lives of people, communities, and the world.

Instructors have a primary commitment to the teaching mission of the department: duties include teaching at the undergraduate level, curricular and program development, and the design and integration of innovative and inclusive pedagogy. Successful candidates should give evidence of potential to teach multiple computer science courses and to excel in classroom instruction. The instructor rank is a non-tenure-track position that offers a promotion path with increasingly long-term contracts.

The department currently has 67 faculty members, including 56 tenured or tenure-track faculty, over 1,400 undergraduate majors, and over 600 graduate students. The department is in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 31st among all U.S. engineering schools (USN&WR). The Mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship. Virginia Tech’s main campus is located in Blacksburg, VA, in an area consistently ranked among the country’s best places to live.

The successful candidate will have a master’s degree in computer science or a closely related field at the time of appointment, a proven ability to work collaboratively, a commitment to interdisciplinary instruction, and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. The successful candidate will be required to have a criminal conviction check as well as documentation of COVID-19 vaccination or receive approval from the university for a vaccination exemption due to a medical condition or sincerely held religious belief.

Applicants must apply online at jobs.vt.edu (job number 517900): application materials include a cover letter;
curriculum vitae; a statement discussing teaching perspective and goals; a statement on contributions to advancing diversity, equity, and inclusion; and contact information for at least three references. Review of applications will begin December 1, 2021 and continue until the position is filled. Questions regarding the position should be directed to Dr. Stephen Edwards, search committee chair, at edwards@cs.vt.edu.

The department fully embraces Virginia Tech’s commitment to increase faculty, staff, and student diversity; to ensure a welcoming, affirming, safe, and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and desire an accommodation, please contact Joan Watson at jmwatson@vt.edu during regular business hours at least 10 business days prior to the event.


Virginia Tech

Collegiate Faculty and Professors of Practice in Computer Science

The Virginia Tech Innovation Campus and the Department of Computer Science seek applicants for two collegiate assistant professor or assistant professor of practice positions for our graduate programs to be delivered in the Washington DC Metropolitan area. Qualified candidates may be considered for appointments at the ranks of collegiate associate professor or associate professor of practice. Virginia Tech’s Innovation Campus is a bold, new vision for graduate education in computer science and computer engineering. Located adjacent to the nation’s capital in Alexandria, Virginia, it will unite industry, government, and academia in dynamic project-based learning and purpose driven research to shape the way emerging technologies influence society. Construction has begun on the 11-story first academic building for the Innovation Campus, which is set to open in 2024. These faculty will have the unique opportunity to design and shape the cutting-edge instructional programs to be offered at the Innovation Campus.

Successful candidates will have a primary commitment to our instructional mission. Duties will include graduate level teaching, curricular and program development, and the design and integration of innovative and inclusive pedagogy. Collegiate faculty members and professors of practice are full members of the faculty who are encouraged to participate in research and scholarship, mentor graduate students, participate in department and professional service, etc. The positions do not offer tenure but do offer a clear promotion path with the potential of increasingly long-term contracts. Candidates will have the opportunity to collaborate with a wide range of research groups in the department, including a nationally-recognized group in CS education research.

Candidates with demonstrated knowledge of CS education research topics such as project-based learning, education-related software systems, student data analytics, CS bridge programs, distance and online education, or diversity in CS are encouraged to apply.

Collegiate faculty candidates must have a Ph.D. in computer science or a related field at the time of appointment. Professor of practice candidates must have a Master’s in computer science or a closely related discipline and significant professional experience in a computing related field.

Virginia Tech is a public land-grant university, committed to teaching and learning, research, and outreach to the Commonwealth of Virginia, the nation, and the world. Building on its motto of Ut Prosim (that I may serve), Virginia Tech is dedicated to InclusiveVT—serving in the spirit of community, diversity, and excellence. We actively seek a broad spectrum of candidates to join our community in preparing leaders for the world. The Department of Computer Science currently has 67 faculty members, including 56 tenured or tenure-track faculty, 17 early career awardees, and numerous recipients of faculty awards from IBM, Intel, AMD, Microsoft, Google.
Facebook, and others. CS faculty members direct several interdisciplinary research centers, including the Center for Human-Computer Interaction and the Sanghani Center for Artificial Intelligence & Data Analytics. The department is home to over 1,400 undergraduate majors and over 600 graduate students and is located in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 31st among all U.S. engineering schools (USN&WR). The Mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship.

The CS undergraduate program is based at the main campus in Blacksburg, VA. CS graduate programs are offered in both Blacksburg and Northern Virginia, where master’s and doctoral degrees have been offered for more than forty years at facilities in Falls Church and Arlington.


Virginia Tech
Faculty Positions
Human-Computer Interaction

Department of Computer Science

The Department of Computer Science at Virginia Tech invites applications for tenure-track assistant professor positions in human-computer interaction and related areas. Exceptional candidates at higher ranks will also be considered.

Strong candidates from any area related to human-computer interaction, user experience, or interactive computing are encouraged to apply. We especially encourage applicants with interests in novel interactive experiences and technologies—including immersive environments (virtual reality and augmented reality), multi-sensory displays, multi-modal input, visualization, Internet of Things, human-robot interaction, human-AI collaboration, and creative technologies. The successful candidate will have opportunities for collaboration in the interdisciplinary Center for Human-Computer Interaction that includes more than 50 faculty across campus, the Institute for Creativity, Arts, and Technology, and the Sanghani Center for Artificial Intelligence & Data Analytics.

The Department of Computer Science is in a period of rapid growth and expanding opportunity. We are seeking candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of both fundamental and applied research. We embrace Virginia Tech’s motto, Ut Prosim (‘That I May Serve’): we are committed to research, education, service, and inclusivity that makes a positive difference in the lives of people, communities, and the world.

The department currently has 67 faculty members, including 56 tenured or tenure-track faculty, 17 early career awardees, and numerous recipients of faculty awards from IBM, Intel, AMD, Microsoft, Google, Facebook, and others. The department is home to over 1,400 undergraduate majors and over 600 graduate students and is located in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 31st among all U.S. engineering schools (USN&WR). The Mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship.

Virginia Tech’s main campus is located in Blacksburg, VA, in an area consistently ranked among the country’s best places to live. Our program in the Washington, D.C., area is also expanding rapidly, with
Virginia Tech’s exciting new Innovation Campus in Alexandria, VA, slated to open in 2024. Candidates for faculty positions at the Innovation Campus are encouraged to apply to separate announcements for those opportunities.

The successful candidate will have a doctoral degree in computer science or a related field at the time of appointment, a rank appropriate record of academic accomplishments and a proven ability to work collaboratively; a commitment to interdisciplinary research and instruction and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. Tenured and tenure-track faculty are expected to initiate and develop independent research that is internationally recognized for excellence, conscientiously mentor research-oriented graduate students, teach effectively at both graduate and undergraduate levels, and serve the university and their professional communities. The successful candidate will be required to have a criminal conviction check as well as documentation of COVID-19 vaccination or receive approval from the university for a vaccination exemption due to a medical condition or sincerely held religious belief. The positions require occasional travel to professional meetings.

Applicants must apply online at jobs.vt.edu (Job #517689). Application materials include a cover letter; curriculum vitae; statements discussing teaching and research goals; a statement on contributions to advancing diversity, equity, and inclusion; and contact information for at least three references. Review of applications will commence on November 20, 2021 and continue until the position is filled. Questions regarding the position should be directed to Dr. Doug A. Bowman at dbowman@vt.edu.

The department fully embraces Virginia Tech’s commitment to increase faculty, staff, and student diversity; to ensure a welcoming, affirming, safe, and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and desire an accommodation, please contact Joan Watson at jmwatson@vt.edu during regular business hours.

To apply for this position, please visit https://careers.pageuppeople.com/968/cw/en-us/job/517689/open-rank-faculty-positions-in-computer-science

---

Virginia Tech
Assistant Professor in Quantum Computing

The Department of Computer Science at Virginia Tech invites applications for tenure-track assistant professor positions in quantum computing on its Blacksburg, Virginia campus. Exceptional candidates at higher ranks may also be considered.

Strong candidates from any area related to quantum computing such as quantum algorithms, quantum machine learning, quantum computational complexity theory, quantum information theory, quantum error correction, quantum cryptography, or other quantum research areas are encouraged to apply. Candidates working at the intersection of quantum computing and other computer science research areas are also encouraged to apply.

The successful candidate will have the opportunity to be a part of a university-wide initiative in quantum information science. Quantum information science is a rapidly growing effort at Virginia Tech spanning several departments including Computer Science, Mathematics, Physics, Chemistry, and Electrical and Computer Engineering. The successful candidate will benefit from a vibrant research environment and will help establish Virginia Tech as a leader in interdisciplinary quantum research, education, and outreach.

The Department of Computer Science is in a period of rapid growth and expanding opportunity. We are seeking candidates...
motivated to contribute to a collegial, interdisciplinary community with a strong tradition of both fundamental and applied research. We embrace Virginia Tech’s motto, Ut Prosim (‘That I May Serve’): we are committed to research, education, service, and inclusivity that makes a positive difference in the lives of people, communities, and the world.

The department currently has 67 faculty members, including 56 tenured or tenure-track faculty, 17 early career awardees, and numerous recipients of faculty awards from IBM, Intel, AMD, Microsoft, Google, Facebook, and others. The department is home to over 1,400 undergraduate majors and over 600 graduate students and is located in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 31st among all U.S. engineering schools (U.S.N&WR). The Mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship.

Virginia Tech’s main campus is located in Blacksburg, VA, in an area consistently ranked among the country’s best places to live. Our program in the Washington, D.C., area is also expanding rapidly, with Virginia Tech’s exciting new Innovation Campus in Alexandria, VA, slated to open in 2024. Candidates for faculty positions at the Innovation Campus are encouraged to apply to separate announcements for those opportunities.

At the time of appointment, the successful candidate will possess a doctoral degree in computer science or a related field, a record of rank-appropriate academic accomplishments, and a proven ability to work collaboratively. Further, the successful candidate will demonstrate a commitment to interdisciplinary research and instruction, and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. Tenured and tenure-track faculty are expected to initiate and develop independent research that is internationally recognized for excellence; to provide conscientious mentorship to research-oriented graduate students; to teach effectively at both graduate and undergraduate levels; and to serve the university and their professional communities. The successful candidate will be required to have a criminal conviction check as well as documentation of COVID-19 vaccination or receive approval from the university for a vaccination exemption due to a medical condition or sincerely held religious belief. The positions require occasional travel to professional meetings.

Applicants must apply online at jobs.vt.edu (Job #517689). Application materials include a cover letter; curriculum vitae; statements discussing teaching and research goals; a statement on contributions to advancing diversity, equity, and inclusion; and contact information for at least three references. Review of applications will commence on December 1, 2021 and continue until the position is filled. Questions regarding the position should be directed to Dr. Jamie Sikora at sikora@vt.edu.

The department fully embraces Virginia Tech’s commitment to increase faculty, staff, and student diversity; to ensure a welcoming, affirming, safe, and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and desire an accommodation, please contact Joan Watson at jmwatson@vt.edu during regular business hours at least 10 business days prior to the event.

To apply for this position, please visit https://careers.pageuppeople.com/968/cw/en-us/job/517689/open-rank-faculty-positions-in-computer-science

Virginia Tech
Department of Computer Science
Rolls-Royce Commonwealth Professor

The Department of Computer Science at Virginia Tech invites applications to hold the Rolls-Royce Commonwealth Professorship in the College of
Professional Opportunities

Engineering. This endowed position will recognize a distinguished faculty member at the full professor rank, who will provide leadership in the department, college, and university in teaching and research in the area of artificial intelligence (AI) and machine learning (ML). We especially encourage applicants with expertise that combines physics-based modeling and ML, e.g., science-guided ML, combining ML based surrogate models and physics informed simulation models, ML algorithms optimized to work with physics models, etc.

The Department of Computer Science is in a period of rapid growth and expanding opportunity. (Please see other postings for multiple other faculty positions this year.) We are seeking candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of both fundamental and applied research. We embrace Virginia Tech’s motto, Ut Prosim (“That I May Serve”), we are committed to research, education, service, and inclusivity that makes a positive difference in the lives of people, communities, and the world.

The department currently has 67 faculty members, including 56 tenured or tenure-track faculty, 17 early career awardees, and numerous recipients of faculty awards from IBM, Intel, AMD, Microsoft, Google, Facebook, and others. CS faculty members direct several interdisciplinary research centers, including the Sanghani Center for Artificial Intelligence & Data Analytics (https://sanghani.cs.vt.edu/) and the Center for Human-Computer Interaction (http://hci.vt.edu/). The department is home to over 1,400 undergraduate majors and over 600 graduate students and is located in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 31st among all U.S. engineering schools (USN&WR). The Mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship.

Virginia Tech’s main campus is located in Blacksburg, VA, in an area consistently ranked among the country’s best places to live. Our program in the Washington, D.C., area is also expanding rapidly, with Virginia Tech’s exciting new Innovation Campus (https://vt.edu/innovationcampus/index.html) in Alexandria, VA, slated to open in 2024.

The successful candidate will have a doctoral degree in computer science or a closely related field at the time of appointment, a rank appropriate record of academic accomplishments and a proven ability to work collaboratively, a commitment to interdisciplinary research and instruction and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. Tenured faculty are expected to initiate and develop independent research that is internationally recognized for excellence, conscientiously mentor research-oriented graduate students, teach effectively at both graduate and undergraduate levels, and serve the university and their professional communities. The successful candidate will be required to have a criminal conviction check as well as documentation of COVID-19 vaccination or receive approval from the university for a vaccination exemption due to a medical condition or sincerely held religious belief. The positions require occasional travel to professional meetings.

Applicants must apply online at jobs.vt.edu (Job #517689). Application materials include a cover letter; curriculum vitae; statements discussing teaching and research goals; a statement on contributions to advancing diversity, equity, and inclusion; and contact information for at least three references.

Review of applications will commence on November 20, 2021 and continue until the position is filled. Questions regarding the position should be directed to Dr. Ali R. Butt at facdev@cs.vt.edu.

The department fully embraces Virginia Tech’s commitment to increase faculty, staff, and student diversity; to ensure a welcoming, affirming, safe, and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of...
other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and desire an accommodation, please contact Joan Watson at jmwatson@vt.edu.

Wake Forest University

**Assistant Professor**

The Department of Computer Science at Wake Forest University is seeking applications for a tenure-track Assistant Professor position to begin July 2022. Successful candidates should have a demonstrated potential for a strong research program in their areas of interest and a strong commitment to undergraduate and graduate education as well as student engagement. Applicants should have completed a PhD in Computer Science or a closely related field by the time of appointment.

Desired candidates will be able to develop a visible, externally funded research program within a setting that values high-quality teaching and mentorship of both undergraduate and graduate students. The Department is seeking candidates whose area of expertise falls within algorithms/theory, systems, or software engineering. Exceptional candidates in other areas may also be considered.

For detailed information about the position and application process, visit: [https://go.wfu.edu/cs2hire/](https://go.wfu.edu/cs2hire/)

Washington University in St. Louis

**Open Lecturer Position(s)**

The Department of Computer Science & Engineering at Washington University in St. Louis invites applicants for teaching-track positions in either Data Science or Cyber systems/security. Teaching-track positions have a competitive compensation and long-term career advancement opportunities that mirror tenure-track lines. The department is in the McKelvey School of Engineering, which is ranked among US News & World Report’s top 50 Engineering Schools. As a teaching faculty you will play a key role in maintaining the School’s high-quality education.

Duties include: course and curricular development, enhancing teaching and learning methods, service to the department and school, and continuing professional development.

Required qualifications: graduate work in a relevant discipline, excellence in written and oral communication, a passion for teaching, and the ability to work with diverse constituencies.

Desired prior experience: relevant teaching, curriculum and course development; instructional innovation; and involvement in professional communities.

Applications received before December 15, 2021, will be given full consideration. The expected start date is Fall 2022.

For more details and application submission see: [https://academicjobsonline.org/ajo/jobs/19945](https://academicjobsonline.org/ajo/jobs/19945).

Questions related to the search can be sent to recruiting@cse.wustl.edu

Washington University in St. Louis

**Computer Science & Engineering**

**Faculty Positions (Assistant/Associate/Full Professor)**

The Department of Computer Science & Engineering at Washington University in St. Louis has tenure-track faculty openings beginning on or after July 1, 2022. We seek outstanding faculty at all ranks and in all areas of computer science & engineering who will build transformative research programs in their core disciplines and through interdisciplinary collaborations. Candidates with expertise in imaging/ vision and autonomous systems (Cyber-Physical systems + AI/Machine Learning) are especially encouraged to apply. Successful candidates should show exceptional promise for research leadership and a strong commitment to high-quality teaching. Candidates are expected to publish their research in peer-reviewed conferences and journals, teach, and participate in department and university service. The usual teaching load is one course per semester. Diversity and inclusion are core values at Washington University, and candidates should demonstrate the ability to create inclusive classrooms and environments in which a diverse array of students can learn and thrive.

Applicants must hold a doctorate in Computer Science, Computer Engineering, or a closely related field. Qualified applicants should submit a complete application (cover letter, curriculum vitae, research statement, teaching statement, and diversity statement) at [http://apply.interfolio.com/97509](http://apply.interfolio.com/97509) and arrange for at least three letters of references to be directly submitted through Interfolio on their behalf. Applications may be accepted and reviewed until the position is filled, but all applications received before December 15, 2021, will be given full consideration.
Please contact recruiting@cse.wustl.edu for questions related to this search.

Washington University is a private university with roughly 7,000 full-time undergraduates and 7,000 graduate students. It is nationally known for the exceptional quality of its student body and for its attractive campus, which borders residential neighborhoods and one of the nation’s largest urban parks. Many faculty members walk or bike to work. St. Louis combines a Midwest cost of living with a vibrant metropolitan area, offering a wealth of cultural and entertainment opportunities. Our faculty and staff are known for our collegiality and for providing a supportive environment for new arrivals.

Washington University in St. Louis is committed to the principles and practices of equal employment opportunity and especially encourages applications by those underrepresented in their academic fields. It is the University’s policy to recruit, hire, train, and promote persons in all job titles without regard to race, color, age, religion, sex, sexual orientation, gender identity or expression, national origin, protected veteran status, disability, or genetic information.

Wayne State University

Assistant Professor - Computer Science

Located in the mid-town of Detroit, the Wayne State University (WSU) Computer Science department anticipates hiring a tenure track faculty at the assistant professor level starting from Fall 2022. Outstanding candidates in all areas who could complement and enhance current department strengths will be considered. Candidates working in Artificial Intelligence, Machine Learning, Data Science, Systems and Software, and related areas are especially encouraged to apply. Candidates should have a Ph.D. in Computer Science, or closely related field, and the potential for excellence in teaching and research. Experienced candidates may also be considered at associate professor level.

Applications must be submitted at https://jobs.wayne.edu/ (posting #046067) and must include a curriculum vitae, teaching and research statements, and names and addresses of at least three references. Links to a professional website such as Google Scholar or DBLP are recommended.

For full consideration, applications must be submitted by Feb. 1, 2022. Applications will be accepted until the positions are filled.

The Department of Computer Science at Wayne State has 22 tenure-stream faculty, and 6 teaching faculty. The department is committed to building a diverse faculty preeminent in its missions of research, teaching, and service to the community. Candidates who have experience engaging with a diverse range of faculty, staff, and students, and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

WSU is a major urban research university (Carnegie RI) with about 2,500 faculty and 27,000 students. WSU is committed to increasing access to education, employment, programs, and services for all. WSU is a premier, public, urban research university located in the heart of Detroit where students from all backgrounds are offered a rich, high-quality education. Our deep-rooted commitment to excellence, collaboration, integrity, diversity, and inclusion creates exceptional educational opportunities preparing students for success in a diverse, global society. WSU encourages applications from women, people of color and other underrepresented people. WSU is an affirmative action/equal opportunity employer.

Detroit epitomizes the modern, livable, vibrant, and diverse city. World-class amenities like the US-Canada riverfront, Detroit Institute of Arts, culture venues and festivals, as well as an international airport (DTW) that flies non-stop to world-wide destinations. There are several satellite cities within 25 miles of metro-Detroit that are ranked as the top-100 most suitable for living cities (e.g., Troy, Ann Arbor, Birmingham, Novi) with the nation’s finest school districts.

Offers of employment by the WSU may be subject to approval by the University’s Board of Trustees and are made contingent upon the candidate’s successful completion of any criminal background checks and other pre-employment assessments that may be required for the position being offered. Additional information regarding such pre-employment checks and assessments may be provided as applicable during the hiring process.
Wesleyan University

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Wesleyan University invites applications for a tenure track assistant professorship in Computer Science to begin in Fall 2021. We encourage candidates in all areas of Computer Science to apply, and especially encourage candidates who can contribute to the diversity (broadly conceived) of the department. The teaching load is three courses per year.

We will begin reviewing applications on Dec. 1, 2021.

Applications must be submitted online at https://academicjobsonline.org/ajo/jobs/19001 where the full job description may be found.

Western Kentucky University

Department of Physics & Astronomy

Assistant/Associate Research Professor

The Department of Physics & Astronomy at Western Kentucky University (WKU) invites applications for a research faculty position. This is a twelve-month position with faculty rank; funding for the first two years has been identified, and the successful candidate will be expected to leverage this support into a long-term program of externally funded research, carried out in collaboration with members of the department and involving both undergraduate and graduate students.

The successful candidate will join a team of researchers at WKU and Eastern Kentucky University (EKU) in applying machine/deep learning algorithms to high-cadence images of the Sun from the Solar Dynamics Observatory (SDO) Atmospheric Imaging Assembly (AIA), with the goal of providing reliable predictions of solar flare activity on timescales of order tens of minutes. Both WKU and EKU are members of a team that has been selected by NASA to provide support in connection with planned launches of the Marshall Space Flight Center (MSFC) Hi-C and FOXSI 4 hard X-ray imaging telescope sounding rocket instruments in March 2024, as part of the Solar Flare Sounding Rocket Campaign. The goal is to provide real-time launch support by applying machine learning algorithms to real-time SDO AIA data, in multiple spectral channels, to identify features that indicate where and when flaring activity is imminent, and so ascertain the optimum time for the launches of the flare-observing HiC and FOXSI 4 instruments.

Requirements:

- Ph.D. in Computer Science, Engineering, Physics, Mathematics or related field; Strong knowledge of convolutional neural networks and recurrent neural networks;
- Experience with spatial-temporal feature extraction from video clips;
- Experience with weakly-supervised learning, semi-supervised, learning, or few-shot learning; Familiarity with Tensorflow, PyTorch, or similar deep learning framework.
- Familiarity with optical flow, and experience in the analysis of solar data, are pluses, but are not required.

The project will be performed using a combination of in-house High-Performance Computers and through access to the KY Cyberteam’s computational power, which is in excess of 1 Petaflop and 10 Petabytes of storage.

Rank and salary will be commensurate with qualifications and experience. We expect that the successful candidate will quickly assume a leadership role in this project and will play a key role in the coordination of results with scientists in the Hi-C project at MSFC.

Applications should be submitted via WKUs electronic talent search system found at https://www.wku.edu/hr/careers/ by January 10, 2022. Information on the Department of Physics and Astronomy at WKU can be found at https://www.wku.edu/physics/ and information on the Bowling Green, KY, area can be found at https://www.bgky.org/.

Western Kentucky University (WKU) is committed to a policy and practice of providing equal employment and educational opportunities to all individuals. For more details see the more detailed position description at WEBSITE. Kentucky state law requires all public institutions of postsecondary education to conduct pre-employment criminal background checks to determine suitability for employment.

William & Mary

Lecturer of Data Science

The Data Science Program at William & Mary, a public university of the Commonwealth of Virginia, invites applications for a non-tenure-track lecturer position, to begin on August
10, 2022. The initial appointment will be issued for a two-year period, with subsequent renewal contingent on a successful performance review, department/program needs, and availability of funds. We seek a strong teacher with expertise in big data analytics who will teach python-based courses for the core curriculum in Data Science (e.g. programming for data science, introduction to data science, machine learning, databases, or data visualization) as well as an upper-level Data Science course in the candidate’s area of specialization. The position carries a typical teaching load of three courses in each of the fall and spring semesters. The ideal candidate will have a broad knowledge of data analytics, with a strong interest in teaching to multidisciplinary, liberal arts audiences, including students in disciplines outside of traditional STEM areas, and experience in using alternative data analysis languages, such as R, Julia, or Scala.

Applicants must apply online at: https://jobs.wm.edu/postings/44281

Please submit a curriculum vitae, a cover letter, a statement of research and teaching interests, and a statement describing previous professional experience or future plans (or both) that demonstrate a commitment to diversity and inclusion. You will be prompted to submit online the names and email addresses of three references who will be contacted by the system with instructions on how to submit a letter of reference.

For full consideration, submit application materials by the review date, December 1, 2021.

Applications received after the review date will be considered if needed.

William & Mary

Assistant Professors of Computer Science

The Department of Computer Science at William & Mary seeks applications for three tenure-track positions at the Assistant Professor level to begin on August 10, 2022. We are interested in exceptional applicants from all areas of computer science. We are particularly interested in the areas of cybersecurity, machine learning/artificial intelligence, software engineering, and the broader area of data science to foster collaborations with the newly developing department of Data Science at William & Mary. Opportunities for collaboration exist also with nearby NASA Langley and DOE's Jefferson Lab in a variety of research areas such as high performance computing, scientific computing, scientific machine learning, robotics, software engineering, and cybersecurity.

Applicants must have a Ph.D. in computer science or a related field at the time of appointment and must have a strong research record and a commitment to quality teaching. The applicant is expected to establish a high-quality research program, publish research results in top venues, teach at the undergraduate and graduate levels, supervise graduate and undergraduate research, and attract external funding to support their research activities.

Located in the center of historic Williamsburg and known as a public Ivy, William & Mary is consistently ranked in the elite group of the Best National Universities-Doctoral by U.S. News and World Report and is committed to a multi-year effort to strengthen and expand its computer science research program. With a teaching load of two courses per year and institutional support, the department has been rising in national rankings of graduate CS departments, and has been the home of multiple NSF and DOE CAREER Awards. The department offers B.S., M.S., and Ph.D. programs. More information about the department can be found at http://www.cs.wm.edu.

William & Mary is deeply committed to diversity, equity, and inclusion. The department is dedicated to increasing the number of underrepresented groups in our student body and faculty. We strongly encourage applications from women, minorities, protected veterans, and individuals with disabilities. William & Mary is an Equal Opportunity/Affirmative Action employer. William & Mary conducts background checks on applicants for employment.

William & Mary is committed to offering safe, in-person educational experiences. To protect the health of its campus and surrounding community, William & Mary has a COVID-19 vaccination mandate in effect. As of September 2021, 98% of its student body and 95% of its faculty and staff have been fully vaccinated. Proof of vaccination must be provided on the employee's first day of employment. HR can provide assistance if an accommodation is needed.

Applicants must apply online at https://jobs.wm.edu/postings/44337
Professional Opportunities

Please submit a cover letter, a curriculum vitae, as well as research, teaching, and diversity statements. The diversity statement should describe previous experience or future plans (or both) that demonstrate a commitment to diversity, equity, and inclusion. Applicants will be prompted to submit online the names and email addresses of three references who will be contacted automatically with instructions for submitting letters of recommendation. Review of applications begins on December 1, 2021 and continues until the positions are filled. Candidates will have the choice of an in-person or Zoom interview.

William & Mary

Lecturers of Computer Science

The Department of Computer Science at William & Mary, a public university of the Commonwealth of Virginia, invites applications for two non-tenure-track lecturer positions that will begin August 10, 2022. The initial appointment will be issued for a two-year period, with subsequent renewal contingent on a successful performance review, department/program needs, and availability of funds.

We seek an individual with expertise in computer science. The successful applicant will be expected to be an effective teacher and will have a 3-3 teaching load.

Located in the center of historic Williamsburg and known as a public Ivy, William & Mary is consistently ranked in the elite group for best undergraduate teaching by U.S. News and World Report and is committed to a multi-year effort to strengthen and expand its computer science program. More information about the department can be found at http://www.cs.wm.edu.

A Master’s degree is required.

A Ph.D. or ABD in Computer Science or a related field at the time the appointment begins or professional experience in computing is preferred. Previous teaching experience is also preferred.

William & Mary values diversity and invites applications from underrepresented groups who will enrich the research, teaching and service missions of the university. The university is an Equal Opportunity/Affirmative Action employer and encourages applications from women, minorities, protected veterans, and individuals with disabilities. William & Mary conducts background checks on applicants for employment.

William & Mary is committed to offering a safe, in-person educational experience. To protect the health of its campus and surrounding community, William & Mary has a COVID-19 vaccination mandate in effect. As of September 2021, 98% of our student body and 95% of our faculty and staff have been fully vaccinated. Proof of vaccination must be provided on the employee’s first day of employment. HR can provide assistance if an accommodation is needed.

Applicants must apply online at https://jobs.wm.edu/postings/44304

Please submit a curriculum vitae, a cover letter, a statement of teaching interests, and a statement describing previous professional experience or future plans (or both) that demonstrate a commitment to diversity and inclusion. Applicants will be prompted to submit online the names and email addresses of three references who will be contacted automatically with instructions for how to submit a letter of reference.

Review of applications begins on December 6, 2021 and continues until the positions are filled. Candidates will have the choice of an in-person or Zoom interview.

Yale University

Assistant Professor, Computer Science

The Yale Computer Science Department invites applications for multiple tenure-track faculty positions to start in the 2022-2023 academic year. The School of Engineering and Applied Science is launching a substantial initiative in Artificial Intelligence, broadly construed, that will include research in the foundations of AI, in applications and technology, and in societal and scientific impacts. Qualified applicants in computer science are invited to apply. Other fields that align with the priorities identified in the recent University Science Strategy Committee Report will also be considered.

Applicants are expected to excel in both research and teaching. Yale provides many opportunities for research collaborations both inside and outside the Computer Science Department. Interdisciplinary work is encouraged, with Yale’s world-class faculty in both the Faculty of Arts & Sciences and the professional schools. Yale faculty regularly have the opportunity to teach excellent students, both graduate and undergraduate. The department’s home page can be found at http://cpsc.yale.edu.
Professional Opportunities

A candidate should hold (or expect to receive by the end of 2022) a Ph.D. in computer science or a related discipline. Applications submitted by December 10, 2021 will be given highest priority. Applicants are asked to submit a cover letter, curriculum vitae, a teaching statement, a research statement, and three confidential letters of recommendation. A helpful teaching statement should describe the candidate’s teaching experience and explain how they could contribute to the curriculum at Yale. The research statement should include a research vision and, if relevant, potential collaborations across Yale. Contact Susan Hurlburt at susan.hurlburt@yale.edu with any questions regarding the application. Please apply at: http://apply.interfolio.com/96225

Yale University
Lecturer/Senior Lecturer

The Yale Computer Science Department invites applications for multiple positions at the rank of Lecturer or Senior Lecturer to start in the 2022-2023 academic year. Applicants are expected to excel in the teaching of large introductory courses. Opportunities to teach upper-level courses, to supervise student projects, and to collaborate with Yale’s world-class faculty in numerous computationally active fields are also available. The department’s home page can be found at https://cpsc.yale.edu/

A candidate should hold a Ph.D. or equivalent degree in computer science or a related discipline at the time of hire. Required application materials include: curriculum (CV), cover letter, teaching statement, and a minimum of three reference letters from outside Yale. A helpful teaching statement should describe the candidate’s teaching experience and explain how they could contribute to the curriculum at Yale. Contact Susan Hurlburt at susan.hurlburt@yale.edu with any questions regarding the application.

The department will start reviewing applications on December 1, 2021 and will continue until the position is filled.

Please apply at http://apply.interfolio.com/97640

Yale University is an Affirmative Action/Equal Opportunity employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, protected veterans, and underrepresented minorities.

York University
Multiple Positions

The Department of Electrical Engineering and Computer Science at York University is one of the foremost academic and research departments in Canada with more than 60 faculty members, offering a range of undergraduate programs and research-intensive graduate degrees. For further information please visit http://eecs.lassonde.yorku.ca.

Established in 2012, the Lassonde School of Engineering, York University offers a broad range of undergraduate and graduate programs to educate multidisciplinary problem solvers, critical thinkers, and entrepreneurs who understand creativity, communications, social responsibility, and cultural diversity. Further information is available at http://lassonde.yorku.ca.

York is a leading international teaching and research university, and a driving force for positive change. Empowered by a welcoming and diverse community with a uniquely global perspective, we are preparing our students for their long-term careers and personal success. Together, we can make things right for our communities, our planet and our future.

The Following positions will commence July 1, 2022 and are subject to budgetary approval. Salary will be commensurate with qualifications and experience.

- Engineering First Year, Teaching Stream (Markham Campus)
- Theory of Computing/Data Science, Professorial Stream (5 Positions)
- Computer Science, Professorial Stream (Markham Campus) (3 Positions)
- Computer Science, Teaching Stream (Markham Campus) (3 Positions)
- Electrical Engineering/Software Engineering, Professorial Stream (4 Positions)
Professional Opportunities

For complete job descriptions and application details, please visit: https://lassonde.yorku.ca/about/careers/faculty-recruitment

Applicants should complete the online application process at https://apply.lassonde.yorku.ca/

The review of applications will commence on November 15, 2021, and for full consideration we need to have received your complete application materials by November 30, 2021.

York University has a policy on Accommodation in Employment for Persons with Disabilities and is committed to working towards a barrier-free workplace and to expanding the accessibility of the workplace to persons with disabilities. Candidates who require accommodation during the selection process are invited to contact eecsjoin@yorku.ca.

York University is an Affirmative Action (AA) employer and strongly values diversity, including gender and sexual diversity, within its community. The AA Program, which applies to women, members of visible minorities (racialized groups), Aboriginal (Indigenous) people and persons with disabilities, can be found at http://acadjobs.info.yorku.ca/ or by calling the AA line at 416-736-5713. Applicants wishing to self-identify as part of York University’s Affirmative Action program can do so as part of the online application process. All qualified candidates are encouraged to apply; however, Canadian citizens, permanent residents and Indigenous peoples in Canada will be given priority. No application will be considered without a completed mandatory Work Status Declaration form, which is included as part of the online application process.